Connecting via Winsock to STN

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Welcome to STN International! Enter x:x
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LOGINID: SSSPTA1626GMS

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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* * * * * * * * * * Welcome to STN International
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                  Web Page for STN Seminar Schedule - N. America
NEWS
NEWS 2 OCT 02
                  CA/CAplus enhanced with pre-1907 records from Chemisches
                  Zentralblatt
NEWS 3 OCT 19
                  BEILSTEIN updated with new compounds
NEWS 4 NOV 15 Derwent Indian patent publication number format enhanced
NEWS 5 NOV 19 WPIX enhanced with XML display format
NEWS 6 NOV 30 ICSD reloaded with enhancements
NEWS 7 DEC 04 LINPADOCDB now available on STN
NEWS 8 DEC 14 BEILSTEIN pricing structure to change
NEWS 9 DEC 17 USPATOLD added to additional database clusters
NEWS 10 DEC 17 IMSDRUGCONF removed from database clusters and STN
NEWS 11 DEC 17 DGENE now includes more than 10 million sequences
NEWS 12 DEC 17 TOXCENTER enhanced with 2008 MeSH vocabulary in
                  MEDLINE segment
NEWS 13 DEC 17 MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS 14 DEC 17 CA/Caplus enhanced with new custom IPC display formats
NEWS 15 DEC 17
                  STN Viewer enhanced with full-text patent content
                  from USPATOLD
NEWS 16 JAN 02
                  STN pricing information for 2008 now available
NEWS 17 JAN 16 CAS patent coverage enhanced to include exemplified
                  prophetic substances
NEWS 18
         JAN 28 USPATFULL, USPAT2, and USPATOLD enhanced with new
                  custom IPC display formats
NEWS 19 JAN 28 MARPAT searching enhanced
NEWS 20 JAN 28 USGENE now provides USPTO sequence data within 3 days
                  of publication
NEWS 21 JAN 28 TOXCENTER enhanced with reloaded MEDLINE segment
NEWS 22 JAN 28 MEDLINE and LMEDLINE reloaded with enhancements
NEWS 23 FEB 08 STN Express, Version 8.3, now available
NEWS 24 FEB 20 PCI now available as a replacement to DPCI
NEWS 25 FEB 25 IFIREF reloaded with enhancements
NEWS 26 FEB 25
                  IMSPRODUCT reloaded with enhancements
NEWS 27 FEB 29
                  WPINDEX/WPIDS/WPIX enhanced with ECLA and current
                  U.S. National Patent Classification
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AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

STN Operating Hours Plus Help Desk Availability

NEWS HOURS

NEWS LOGIN

NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,

Welcome Banner and News Items

NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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=>

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=> FILE REGISTRY

COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 0.21 0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 14:28:24 ON 07 MAR 2008
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STRUCTURE FILE UPDATES: 5 MAR 2008 HIGHEST RN 1006749-26-3 DICTIONARY FILE UPDATES: 5 MAR 2008 HIGHEST RN 1006749-26-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

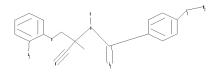
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>

Uploading C:\Program Files\Stnexp\Queries\10577369a.str



chain nodes : 13 14 15 16 17 18 19 20 22 23 25 27 29 ring nodes : 1 2 3 4 5 6 7 8 9 10 11 12 chain bonds :  $1-27 \quad 6-13 \quad 8-17 \quad 11-22 \quad 13-14 \quad 14-15 \quad 15-16 \quad 15-18 \quad 15-19 \quad 16-17 \quad 16-29 \quad 17-25$ 19-20 22-23 ring bonds :  $1-2 \quad 1-6 \quad 2-3 \quad 3-4 \quad 4-5 \quad 5-6 \quad 7-8 \quad 7-12 \quad 8-9 \quad 9-10 \quad 10-11 \quad 11-12$ exact/norm bonds :  $1-27 \quad 6-13 \quad 11-22 \quad 13-14 \quad 15-16 \quad 16-17 \quad 17-25 \quad 19-20 \quad 22-23$ exact bonds : 8-17 14-15 15-18 15-19 16-29 normalized bonds :  $1-2 \quad 1-6 \quad 2-3 \quad 3-4 \quad 4-5 \quad 5-6 \quad 7-8 \quad 7-12 \quad 8-9 \quad 9-10 \quad 10-11 \quad 11-12$ isolated ring systems : containing 1 : 7 :

G1:0, S, SO2, SO3H

G2:0,S

G3:C1, Br, F, I, CF3, X

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS 22:CLASS 23:CLASS 25:CLASS 27:CLASS 29:CLASS

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS
L1 STR

H G1 CF3

G1 O, S, SO2, SO3H

G2 0, S

G3 Cl,Br,F,I,CF3,X

Structure attributes must be viewed using STN Express query preparation.

=> s 11

SAMPLE SEARCH INITIATED 14:28:47 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1 TO ITERATE

100.0% PROCESSED 1 ITERATIONS 1 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 1 TO 80 PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 14:28:55 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 78 TO ITERATE

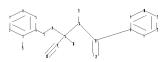
100.0% PROCESSED 78 ITERATIONS 38 ANSWERS

SEARCH TIME: 00.00.01

L3 38 SEA SSS FUL L1

=>

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```
chain nodes :
13  14  15  16  17  18  19  20  23  25  27
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
1-25 \quad 6-13 \quad 8-17 \quad 13-14 \quad 14-15 \quad 15-16 \quad 15-18 \quad 15-19 \quad 16-17 \quad 16-27 \quad 17-23 \quad 19-20
ring bonds :
1-2 \quad 1-6 \quad 2-3 \quad 3-4 \quad 4-5 \quad 5-6 \quad 7-8 \quad 7-12 \quad 8-9 \quad 9-10 \quad 10-11 \quad 11-12
exact/norm bonds :
1-25 6-13 13-14 15-16 16-17 17-23 19-20
exact bonds :
8-17 14-15 15-18 15-19 16-27
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
isolated ring systems :
containing 1 : 7 :
```

G1:0, S, SO2, SO3H

G2:0,S

G3:C1, Br, F, I, CF3, X

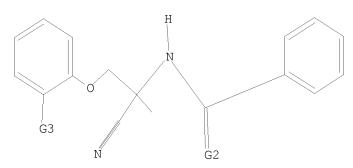
Match level:

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS 23:CLASS 25:CLASS 27:CLASS

L4 STRUCTURE UPLOADED

=> d 14

L4 HAS NO ANSWERS L4 STR



G1 O, S, SO2, SO3H

G2 O,S

G3 Cl,Br,F,I,CF3,X

Structure attributes must be viewed using STN Express query preparation.

=> s 14

SAMPLE SEARCH INITIATED 14:31:07 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 14 TO ITERATE

100.0% PROCESSED 14 ITERATIONS 8 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 56 TO 504

PROJECTED ANSWERS: 8 TO 329

L5 8 SEA SSS SAM L4

=> s 14 sss full

FULL SEARCH INITIATED 14:31:15 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 278 TO ITERATE

100.0% PROCESSED 278 ITERATIONS 154 ANSWERS

SEARCH TIME: 00.00.01

L6 154 SEA SSS FUL L4

=>

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```
chain nodes :
13 14 15 16 17 18 19 20 23 25 27 28
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
1-25 \quad 6-13 \quad 8-17 \quad 11-28 \quad 13-14 \quad 14-15 \quad 15-16 \quad 15-18 \quad 15-19 \quad 16-17 \quad 16-27 \quad 17-23
19-20
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
exact/norm bonds :
1-25 6-13 13-14 15-16 16-17 17-23 19-20
exact bonds :
8-17 11-28 14-15 15-18 15-19 16-27
normalized bonds :
1-2 \quad 1-6 \quad 2-3 \quad 3-4 \quad 4-5 \quad 5-6 \quad 7-8 \quad 7-12 \quad 8-9 \quad 9-10 \quad 10-11 \quad 11-12
isolated ring systems :
containing 1 : 7 :
```

G1:0, S, SO2, SO3H

G2:0,S

G3:C1,Br,F,I,CF3,X

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS 23:CLASS 25:CLASS 27:CLASS 28:CLASS

L7 STRUCTURE UPLOADED

=> d 17 L7 HAS NO ANSWERS L7 STR

G1 O, S, SO2, SO3H

G2 O, S

G3 Cl,Br,F,I,CF3,X

Structure attributes must be viewed using STN Express query preparation.

=> s 17

SAMPLE SEARCH INITIATED 14:32:35 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 5 TO ITERATE

100.0% PROCESSED 5 ITERATIONS 4 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 5 TO 234
PROJECTED ANSWERS: 4 TO 200

L8 4 SEA SSS SAM L7

=> s 17 sss full

FULL SEARCH INITIATED 14:32:41 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 99 TO ITERATE

100.0% PROCESSED 99 ITERATIONS 26 ANSWERS

SEARCH TIME: 00.00.01

L9 26 SEA SSS FUL L7

=> FIL HCAPLUS

COST IN U.S. DOLLARS
SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 536.92 537.13

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FILE COVERS 1907 - 7 Mar 2008 VOL 148 ISS 11 FILE LAST UPDATED: 6 Mar 2008 (20080306/ED)

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=> d his

(FILE 'HOME' ENTERED AT 14:28:11 ON 07 MAR 2008)

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FILE 'REGISTRY' ENTERED AT 14:28:24 ON 07 MAR 2008
L1 STRUCTURE UPLOADED
L2 1 S L1
L3 38 S L1 SSS FULL
L4 STRUCTURE UPLOADED
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FILE 'HCAPLUS' ENTERED AT 14:32:46 ON 07 MAR 2008

=> s 13 L10 6 L3

=> s 16 L11 9 L6

=> s 19 L12 3 L9

=> s 110 and py<=2003 23979508 PY<=2003

L13 2 L10 AND PY<=2003

=> s 111 and py<=2003 23979508 PY<=2003

L14 5 L11 AND PY<=2003

=> s 112 and py<=2003 23979508 PY<=2003

L15 2 L12 AND PY<=2003

=> d 113 ibib abs hitstr tot

L13 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:977572 HCAPLUS

DOCUMENT NUMBER: 138:33311

TITLE: Aminoacetonitrile derivatives as endoparasiticides

INVENTOR(S):
Ducray, Pierre

PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis-Erfindungen

Verwaltungsgesellschaft m.b.H.

SOURCE: PCT Int. Appl., 31 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

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																	 614 <		
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OTHER SOURCE(S): MARPAT 138:33311

GΙ

Ι

AB The aminoacetonitrile derivs. I [R1 = (halo)alkyl, (halo)alkoxy, halo; R2 = haloalkyl; m = 1,2 or 3] control endoparasites, especially helminths, in warm-blooded productive livestock and domestic animals.

IT 478932-60-4 478932-61-5 478932-63-7
 478932-64-8 478932-66-0 478932-67-1
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)

(aminoacetonitrile derivs. as endoparasiticides)

RN 478932-60-4 HCAPLUS

CN Benzamide, N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

RN 478932-61-5 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

RN 478932-63-7 HCAPLUS

CN Benzamide, N-[2-(2-chloro-5-methylphenoxy)-1-cyano-1-methylethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

RN 478932-64-8 HCAPLUS

CN Benzamide, N-[1-cyano-2-(2,5-dichlorophenoxy)-1-methylethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

RN 478932-66-0 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-(2,4,5-trifluorophenoxy)ethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

RN 478932-67-1 HCAPLUS

CN Benzamide, N-[2-(2-chloro-3,5-difluorophenoxy)-1-cyano-1-methylethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:487395 HCAPLUS

DOCUMENT NUMBER: 137:52407

TITLE: Aminoacetonitrile compounds and their formulations as

parasiticides

INVENTOR(S):
Ducray, Pierre; Bouvier, Jacques

PATENT ASSIGNEE(S): Novartis Ag, Switz.; Novartis-Erfindungen

Verwaltungsgesellschaft m.b.H.; Novartis Pharma GmbH

SOURCE: PCT Int. Appl., 38 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

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							TR,									- '	•				
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OTHER SOURCE(S): MARPAT 137:52407

AB The invention relates to the use of aminoacetonitrile compds. in the control of endoparasites, especially helminths, in warm-blooded productive livestock and domestic animals. Delivery systems for these parasiticides are described, such as granules that can be mixed with animal feed. For example, a dust-free coated granules were prepared by mixing an aminoacetonitrile active ingredient 3%, polyethylene glycol 3%, and kaolin 94%.

IT 438551-11-2

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(aminoacetonitrile compds. and their formulations as parasiticides for domestic animals and livestock)

RN 438551-11-2 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]-4-[(trifluoromethyl)thio]- (CA INDEX NAME)

=> d l14 ibib abs hitstr tot

L14 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:650899 HCAPLUS

DOCUMENT NUMBER: 141:173978

TITLE: Preparation of aminoacetonitrile derivatives as

agricultural and horticultural insecticides

INVENTOR(S): Andoh, Nobuharu; Sanpei, Osamu; Sakata, Kazuyuki

PATENT ASSIGNEE(S): Nihon Nohyaku Co., Ltd., Japan

SOURCE: Eur. Pat. Appl., 48 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

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OTHER SOURCE(S): MARPAT 141:173978

GΙ

AB The title compds. Ar1(Q)dC(O)NR3C(CN)R4(CR5R6)aW(CR7R8)bAr2 [I; Ar1, Ar2 = (substituted) Ph, (substituted) phenyloxy, (substituted) phenylacetylene; (substituted) pyridyl and (substituted) naphthyl; Q = CR1R2 (wherein R1, R2 = H, halo, (halo)alkyl, etc.); R3 = H, (halo)alkyl, etc.; R4-R8 = H, halo, (halo)alkyl, etc.; W = O, S, SO2 or NR9 (wherein R9 = H, alkyl); a, D = 0-4; D = 0-1, useful as insecticides, were prepared E.g., a multi-step synthesis of II (starting from 4-chlorophenol and bromoacetaldehyde dimethylacetal), was given. The compds. I were tested against diamondback moth and against smaller tea tortrix (data were given for representative compds. I).

IT 247199-28-6P 438548-44-8P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of aminoacetonitrile derivs. as agricultural and horticultural insecticides)

RN 247199-28-6 HCAPLUS

CN Benzamide, 4-chloro-N-[1-cyano-2-[2,6-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]-1-methylethyl]- (9CI) (CA INDEX NAME)

RN 438548-44-8 HCAPLUS

CN Benzamide, N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

L14 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:977572 HCAPLUS

DOCUMENT NUMBER: 138:33311

TITLE: Aminoacetonitrile derivatives as endoparasiticides

INVENTOR(S):
Ducray, Pierre

PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis-Erfindungen

Verwaltungsgesellschaft m.b.H.

SOURCE: PCT Int. Appl., 31 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PA:	TENT	NO.			KIND DATE					APPL	ICAT	ION 1		DATE						
WO					A1 20021227 , AM, AT, AU, AZ,															
	VV •											ES,					•			
		HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	KΖ,	LC,	LK,	LT,	LU,			
			•	•	•		•	•	,	•	•	PL,	•			SE,	SG,			
		•	•	•		•	•	•	•		•	VN,	•	•						
	RW:	ΑT,			CY,	DE,	DK,	ES,	FΙ,	FR,	GB,	GR,	IE,	ΙΤ,	LU,	MC,	NL,			
		•	SE,																	
	2363						2005	0721		TW 2	002-	9111.	2863		2	0020	613			
CA	2449	854			A1		2002	1227		CA 2	002-	2449	854		2	0020	614 <			
ΑU	2002	3450	43		A1		2003	0102		AU 2	002-	3450		20020614 <						
EP	1401	277			A1		2004	0331		EP 2	002-	7432		20020614						
EP	1401	277			В1		2007	0627												
	R:	ΑT,	ΒE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	ΙT,	LI,	LU,	NL,	SE,	MC,	PT,			
		ΙE,	SI,	LT,	LV,	FΙ,	RO,	MK,	CY,	AL,	TR									
BR	2002	0109	26		A		2004	0608		BR 2	002-	1092	6		2	0020	614			
CN	1529	552			A		2004	0915		CN 2	002-	8142		20020614						
JP	2004	5307	11		Τ		2004	1007		JP 2	003-	5047		20020614						
ΝZ	5301	20			А		2005	0930		NZ 2002-530120						20020614				

RU 2294640 AT 365455 ES 2287289 ZA 2003009672 MX 2003PA11630 IN 2003CN01997 US 2004209950	C2 T T3 A A A	20070310 20070715 20071216 20040804 20040405 20060106 20041021	AT ES ZA MX IN	2003-137564 2002-743200 2002-743200 2003-9672 2003-PA11630 2003-CN1997 2004-480510		20020614 20020614 20020614 20031212 20031215 20031215 20040601
US 2004209950	A1	20041021	US	2004-480510		20040601
PRIORITY APPLN. INFO.:				2001-1085 2002-EP6589	A W	20010615 20020614
			,,,	2002 110000		20020011

OTHER SOURCE(S): MARPAT 138:33311

GΙ

AB The aminoacetonitrile derivs. I [R1 = (halo)alkyl, (halo)alkoxy, halo; R2 = haloalkyl; m = 1,2 or 3] control endoparasites, especially helminths, in warm-blooded productive livestock and domestic animals.

IT 478932-60-4 478932-61-5 478932-63-7 478932-64-8 478932-66-0 478932-67-1 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

Ι

(aminoacetonitrile derivs. as endoparasiticides)

RN 478932-60-4 HCAPLUS

CN Benzamide, N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

RN 478932-61-5 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

RN 478932-63-7 HCAPLUS

CN Benzamide, N-[2-(2-chloro-5-methylphenoxy)-1-cyano-1-methylethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

RN 478932-64-8 HCAPLUS

CN Benzamide, N-[1-cyano-2-(2,5-dichlorophenoxy)-1-methylethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

RN 478932-66-0 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-(2,4,5-trifluorophenoxy)ethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

RN 478932-67-1 HCAPLUS

CN Benzamide, N-[2-(2-chloro-3,5-difluorophenoxy)-1-cyano-1-methylethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

REFERENCE COUNT:

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS

3

# RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:888695 HCAPLUS

DOCUMENT NUMBER: 137:384655

TITLE: Preparation of benzamidoacetonitriles for controlling

parasites

INVENTOR(S): Ducray, Pierre; Bouvier, Jacques; Keller, Matthias;

Bergamin, Corina

PATENT ASSIGNEE(S): Novartis AG, Switz.; Novartis-Erfindungen

Verwaltungsgesellschaft m.b.H.; Novartis Pharma GmbH

SOURCE: PCT Int. Appl., 81 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PAT	TENT NO	•		KIND DATE				APPL	ICAT	ION		DATE					
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		E, SI,															
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CN	153152	)		A		2004	0922	1					2002				
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	529368			A			0624										
	228499						1010			003-	-						
	349421			Τ			0115						20020514				
	200300						0903							20031104			
	2003CN						0106										
	2003PA	A 20040309									20031114						
	200422			Al	20041104			US 2004-477289 CH 2001-919									
IORIT	Y APPLN	. INFO	• :							001- 002-					0010 0020		

OTHER SOURCE(S): MARPAT 137:384655

GΙ

The title compds. [I; Ar1, Ar2 = (un) substituted Ph, OPh, phenylacetylenyl, etc.; Q1 = CH2, OCH2, S, SO, SO2, CO; Q2 = a bond, CO; R3 = H, alkyl, haloalkyl, etc.; R4-R8 = H, halo, alkyl, etc.; or R4 and R5 together = alkylene; W = O, S, SO2, NH, Nalkyl; a = 1-4; b = 0-4; n = 0-1] which have advantageous pesticidal properties, and are especially suitable for controlling parasites in warm-blooded animals (also humans), were prepared and formulated. Thus, amidation of benzophenone-4-carboxylic acid with 2-amino-2-methyl-3-(2-trifluoromethylphenoxy)propionitrile afforded II which showed a 100% reduction in Trichostrongylus infestation at 32 mg/kg.

IT 476013-54-4P 476013-56-6P 476013-57-7P

Ι

476013-62-4P 476013-63-5P 476013-64-6P
476013-65-7P 476013-66-8P 476013-67-9P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); PAC
(Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of benzamidoacetonitriles for controlling parasites)

(preparation of benzamidoacetonitriles for controlling parasites) 476013-54-4 HCAPLUS

CN Benzamide, 4-benzoyl-N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]- (CA INDEX NAME)

$$\begin{array}{c|c} \text{Me} & \text{O} \\ | & \text{I} \\ \text{O-CH}_2 - \text{C-NH-C} \\ | & \text{CN} \\ \end{array}$$

RN 476013-56-6 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]-4-(phenoxymethyl)- (CA INDEX NAME)

RN 476013-57-7 HCAPLUS

CN Benzamide, 4-benzoyl-N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

RN 476013-62-4 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]-4-(hydroxyphenylmethyl)- (CA INDEX NAME)

RN 476013-63-5 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]-4-(1-hydroxy-1-phenylethyl)- (CA INDEX NAME)

RN 476013-64-6 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]-4-[(methoxyimino)phenylmethyl]- (CA INDEX NAME)

RN 476013-65-7 HCAPLUS

CN Benzamide, 4-benzoyl-N-[2-(2-chloro-5-methylphenoxy)-1-cyano-1-methylethyl]- (CA INDEX NAME)

RN 476013-66-8 HCAPLUS

CN Benzamide, 4-benzoyl-N-[1-cyano-2-(2,5-dichlorophenoxy)-1-methylethyl]- (CA INDEX NAME)

RN 476013-67-9 HCAPLUS

CN Benzamide, 4-benzoyl-N-[2-(2-bromo-4,5-difluorophenoxy)-1-cyano-1-methylethyl]- (CA INDEX NAME)

L14 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2008 ACS on STN ACCESSION NUMBER: 2002:487395 HCAPLUS

DOCUMENT NUMBER: 137:52407

TITLE: Aminoacetonitrile compounds and their formulations as

parasiticides

INVENTOR(S): Ducray, Pierre; Bouvier, Jacques

PATENT ASSIGNEE(S): Novartis Aq, Switz.; Novartis-Erfindungen

Verwaltungsgesellschaft m.b.H.; Novartis Pharma GmbH

SOURCE: PCT Int. Appl., 38 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

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WO										DD	DC	DD	DI	DE	O.7	011	CNT		
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		,	,	,	,	,	IS,	,	,	,	,	,	,	,	,	,	,		
		•					MX,	•									SG,		
							TR,												
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							IT,												
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																		<	
	13922						2004			EP 2	001-	9854	21		2	0011	218		
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			,	,	,	,	RO,			,									
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	15314																		
	52653						2005						38						
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AT	35436	50			T		2007	0315		AT 2	001-	9854	21		2	0011	218		
	22814						2007						21						
ZA	20030	31		A 20040428			ZA 2003-4331												
US	US 2004082624						2004	0429					11			0030	606		
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IORITY APPLN. INFO.:																			
										WO 2	001-	EP14	926	1	W 2	0011	218		
							400		_										

OTHER SOURCE(S): MARPAT 137:52407

AB The invention relates to the use of aminoacetonitrile compds. in the control of endoparasites, especially helminths, in warm-blooded productive livestock and domestic animals. Delivery systems for these parasiticides are described, such as granules that can be mixed with animal feed. For example, a dust-free coated granules were prepared by mixing an aminoacetonitrile active ingredient 3%, polyethylene glycol 3%, and kaolin 94%.

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IT 438548-33-5 438548-34-6 438548-35-7

438548-36-8 438548-37-9 438548-38-0

438548-39-1 438548-40-4 438548-41-5

438548-42-6 438548-43-7 438548-44-8

438548-69-7 438548-70-0 438548-71-1

438548-72-2 438548-73-3 438548-74-4

438548-75-5 438548-76-6 438548-77-7
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438551-33-8 438551-34-9
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
(Biological study); USES (Uses)
   (aminoacetonitrile compds. and their formulations as parasiticides for
   domestic animals and livestock)
438548-33-5 HCAPLUS
Benzamide, 2-chloro-N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]- (CA
INDEX NAME)
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RN 438548-34-6 HCAPLUS
CN Benzamide, 3-chloro-N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]- (CA INDEX NAME)

RN

CN

RN 438548-35-7 HCAPLUS

CN Benzamide, 4-chloro-N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]- (CA INDEX NAME)

RN 438548-36-8 HCAPLUS

CN Benzamide, 2,3-dichloro-N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]-(CA INDEX NAME)

RN 438548-37-9 HCAPLUS

CN Benzamide, 2,4-dichloro-N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]-(CA INDEX NAME)

RN 438548-38-0 HCAPLUS

CN Benzamide, 2,5-dichloro-N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]-(CA INDEX NAME)

RN 438548-39-1 HCAPLUS

CN Benzamide, 2,6-dichloro-N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]- (CA INDEX NAME)

RN 438548-40-4 HCAPLUS

CN Benzamide, 3,4-dichloro-N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]-(CA INDEX NAME)

RN 438548-41-5 HCAPLUS

CN Benzamide, 3,5-dichloro-N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]- (CA INDEX NAME)

RN 438548-42-6 HCAPLUS

CN Benzamide, N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]-2- (trifluoromethyl)- (CA INDEX NAME)

RN 438548-43-7 HCAPLUS

CN Benzamide, N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]-3-(trifluoromethyl)- (CA INDEX NAME)

RN 438548-44-8 HCAPLUS

CN Benzamide, N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438548-69-7 HCAPLUS

CN Benzamide, 2-chloro-N-[1-cyano-2-(2,3-dichlorophenoxy)-1-methylethyl]- (CA INDEX NAME)

RN 438548-70-0 HCAPLUS

CN Benzamide, 3-chloro-N-[1-cyano-2-(2,3-dichlorophenoxy)-1-methylethyl]-(CA INDEX NAME)

RN 438548-71-1 HCAPLUS

CN Benzamide, 4-chloro-N-[1-cyano-2-(2,3-dichlorophenoxy)-1-methylethyl]-(CA INDEX NAME)

RN 438548-72-2 HCAPLUS

CN Benzamide, 2,3-dichloro-N-[1-cyano-2-(2,3-dichlorophenoxy)-1-methylethyl]- (CA INDEX NAME)

RN 438548-73-3 HCAPLUS

CN Benzamide, 2,4-dichloro-N-[1-cyano-2-(2,3-dichlorophenoxy)-1-methylethyl]-(CA INDEX NAME)

RN 438548-74-4 HCAPLUS

CN Benzamide, 2,5-dichloro-N-[1-cyano-2-(2,3-dichlorophenoxy)-1-methylethyl]-(CA INDEX NAME)

RN 438548-75-5 HCAPLUS

CN Benzamide, 2,6-dichloro-N-[1-cyano-2-(2,3-dichlorophenoxy)-1-methylethyl]-(CA INDEX NAME)

RN 438548-76-6 HCAPLUS

CN Benzamide, 3,4-dichloro-N-[1-cyano-2-(2,3-dichlorophenoxy)-1-methylethyl]- (CA INDEX NAME)

RN 438548-77-7 HCAPLUS

CN Benzamide, 3,5-dichloro-N-[1-cyano-2-(2,3-dichlorophenoxy)-1-methylethyl]-(CA INDEX NAME)

RN 438548-78-8 HCAPLUS

CN Benzamide, N-[1-cyano-2-(2,3-dichlorophenoxy)-1-methylethyl]-2-(trifluoromethyl)- (CA INDEX NAME)

RN 438548-79-9 HCAPLUS

CN Benzamide, N-[1-cyano-2-(2,3-dichlorophenoxy)-1-methylethyl]-3-(trifluoromethyl)- (CA INDEX NAME)

RN 438548-80-2 HCAPLUS

CN Benzamide, N-[1-cyano-2-(2,3-dichlorophenoxy)-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438548-81-3 HCAPLUS

CN Benzamide, 2-chloro-N-[1-cyano-2-(2,4-dichlorophenoxy)-1-methylethyl]-(CA INDEX NAME)

RN 438548-82-4 HCAPLUS

CN Benzamide, 3-chloro-N-[1-cyano-2-(2,4-dichlorophenoxy)-1-methylethyl]-(CA INDEX NAME)

RN 438548-83-5 HCAPLUS

CN Benzamide, 4-chloro-N-[1-cyano-2-(2,4-dichlorophenoxy)-1-methylethyl]-(CA INDEX NAME)

$$\begin{array}{c|c} C1 & \text{Me} & \text{O} \\ \hline & \text{C1} & \text{C1} \\ \hline & \text{C1} & \text{CN} \\ \end{array}$$

RN 438548-84-6 HCAPLUS

CN Benzamide, 2,3-dichloro-N-[1-cyano-2-(2,4-dichlorophenoxy)-1-methylethyl]- (CA INDEX NAME)

RN 438548-85-7 HCAPLUS

CN Benzamide, 2,4-dichloro-N-[1-cyano-2-(2,4-dichlorophenoxy)-1-methylethyl]-(CA INDEX NAME)

RN 438548-86-8 HCAPLUS

CN Benzamide, 2,5-dichloro-N-[1-cyano-2-(2,4-dichlorophenoxy)-1-methylethyl]- (CA INDEX NAME)

RN 438548-87-9 HCAPLUS

CN Benzamide, 2,6-dichloro-N-[1-cyano-2-(2,4-dichlorophenoxy)-1-methylethyl]- (CA INDEX NAME)

RN 438548-88-0 HCAPLUS

CN Benzamide, 3,4-dichloro-N-[1-cyano-2-(2,4-dichlorophenoxy)-1-methylethyl]- (CA INDEX NAME)

$$\begin{array}{c|c} C1 & \text{Me} & \text{O} \\ \hline & C1 & \text{C1} \\ \hline & C1 & \text{C1} \\ \hline & C1 & \text{C1} \\ \hline \end{array}$$

RN 438548-89-1 HCAPLUS

CN Benzamide, 3,5-dichloro-N-[1-cyano-2-(2,4-dichlorophenoxy)-1-methylethyl]- (CA INDEX NAME)

RN 438548-90-4 HCAPLUS

CN Benzamide, N-[1-cyano-2-(2,4-dichlorophenoxy)-1-methylethyl]-2-(trifluoromethyl)- (CA INDEX NAME)

RN 438548-91-5 HCAPLUS

CN Benzamide, N-[1-cyano-2-(2,4-dichlorophenoxy)-1-methylethyl]-3-(trifluoromethyl)- (CA INDEX NAME)

RN 438548-92-6 HCAPLUS

CN Benzamide, N-[1-cyano-2-(2,4-dichlorophenoxy)-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438548-93-7 HCAPLUS

CN Benzamide, 2-chloro-N-[1-cyano-2-(2,5-dichlorophenoxy)-1-methylethyl]-(CA INDEX NAME)

RN 438548-94-8 HCAPLUS

CN Benzamide, 3-chloro-N-[1-cyano-2-(2,5-dichlorophenoxy)-1-methylethyl]- (CA INDEX NAME)

RN 438548-95-9 HCAPLUS

CN Benzamide, 4-chloro-N-[1-cyano-2-(2,5-dichlorophenoxy)-1-methylethyl]-(CA INDEX NAME)

RN 438548-96-0 HCAPLUS

CN Benzamide, 2,3-dichloro-N-[1-cyano-2-(2,5-dichlorophenoxy)-1-methylethyl]- (CA INDEX NAME)

RN 438548-97-1 HCAPLUS

CN Benzamide, 2,4-dichloro-N-[1-cyano-2-(2,5-dichlorophenoxy)-1-methylethyl]- (CA INDEX NAME)

RN 438548-98-2 HCAPLUS

CN Benzamide, 2,5-dichloro-N-[1-cyano-2-(2,5-dichlorophenoxy)-1-methylethyl]- (CA INDEX NAME)

RN 438548-99-3 HCAPLUS

CN Benzamide, 2,6-dichloro-N-[1-cyano-2-(2,5-dichlorophenoxy)-1-methylethyl]- (CA INDEX NAME)

RN 438549-00-9 HCAPLUS

CN Benzamide, 3,4-dichloro-N-[1-cyano-2-(2,5-dichlorophenoxy)-1-methylethyl]- (CA INDEX NAME)

RN 438549-01-0 HCAPLUS

CN Benzamide, 3,5-dichloro-N-[1-cyano-2-(2,5-dichlorophenoxy)-1-methylethyl]- (CA INDEX NAME)

$$\begin{array}{c|c}
C1 & Me & O \\
\hline
C1 & C1 \\
\hline
CN & C1
\end{array}$$

RN 438549-02-1 HCAPLUS

CN Benzamide, N-[1-cyano-2-(2,5-dichlorophenoxy)-1-methylethyl]-2- (trifluoromethyl)- (CA INDEX NAME)

RN 438549-03-2 HCAPLUS

CN Benzamide, N-[1-cyano-2-(2,5-dichlorophenoxy)-1-methylethyl]-3-(trifluoromethyl)- (CA INDEX NAME)

RN 438549-04-3 HCAPLUS

CN Benzamide, N-[1-cyano-2-(2,5-dichlorophenoxy)-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438549-05-4 HCAPLUS

CN Benzamide, 2-chloro-N-[1-cyano-2-(2,6-dichlorophenoxy)-1-methylethyl]-(CA INDEX NAME)

RN 438549-06-5 HCAPLUS

CN Benzamide, 3-chloro-N-[1-cyano-2-(2,6-dichlorophenoxy)-1-methylethyl]- (CA INDEX NAME)

RN 438549-07-6 HCAPLUS

CN Benzamide, 4-chloro-N-[1-cyano-2-(2,6-dichlorophenoxy)-1-methylethyl]-(CA INDEX NAME)

RN 438549-08-7 HCAPLUS

CN Benzamide, 2,3-dichloro-N-[1-cyano-2-(2,6-dichlorophenoxy)-1-methylethyl]- (CA INDEX NAME)

RN 438549-09-8 HCAPLUS

CN Benzamide, 2,4-dichloro-N-[1-cyano-2-(2,6-dichlorophenoxy)-1-methylethyl]-(CA INDEX NAME)

RN 438549-10-1 HCAPLUS

CN Benzamide, 2,5-dichloro-N-[1-cyano-2-(2,6-dichlorophenoxy)-1-methylethyl]- (CA INDEX NAME)

RN 438549-11-2 HCAPLUS

CN Benzamide, 2,6-dichloro-N-[1-cyano-2-(2,6-dichlorophenoxy)-1-methylethyl]- (CA INDEX NAME)

RN 438549-12-3 HCAPLUS

CN Benzamide, 3,4-dichloro-N-[1-cyano-2-(2,6-dichlorophenoxy)-1-methylethyl]- (CA INDEX NAME)

RN 438549-13-4 HCAPLUS

CN Benzamide, 3,5-dichloro-N-[1-cyano-2-(2,6-dichlorophenoxy)-1-methylethyl]- (CA INDEX NAME)

RN 438549-14-5 HCAPLUS

CN Benzamide, N-[1-cyano-2-(2,6-dichlorophenoxy)-1-methylethyl]-2-(trifluoromethyl)- (CA INDEX NAME)

RN 438549-15-6 HCAPLUS

CN Benzamide, N-[1-cyano-2-(2,6-dichlorophenoxy)-1-methylethyl]-3-(trifluoromethyl)- (CA INDEX NAME)

RN 438549-16-7 HCAPLUS

CN Benzamide, N-[1-cyano-2-(2,6-dichlorophenoxy)-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438549-41-8 HCAPLUS

CN Benzamide, 2-chloro-N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethy 1]- (CA INDEX NAME)

RN 438549-42-9 HCAPLUS

CN Benzamide, 3-chloro-N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethy l]- (CA INDEX NAME)

RN 438549-43-0 HCAPLUS

CN Benzamide, 4-chloro-N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethy l]- (CA INDEX NAME)

RN 438549-44-1 HCAPLUS

CN Benzamide, 2,3-dichloro-N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

RN 438549-45-2 HCAPLUS

CN Benzamide, 2,4-dichloro-N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

RN 438549-46-3 HCAPLUS

CN Benzamide, 2,5-dichloro-N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

RN 438549-47-4 HCAPLUS

CN Benzamide, 2,6-dichloro-N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

RN 438549-48-5 HCAPLUS

CN Benzamide, 3,4-dichloro-N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

RN 438549-49-6 HCAPLUS

CN Benzamide, 3,5-dichloro-N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

RN 438549-50-9 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]-2-(trifluoromethyl)- (CA INDEX NAME)

RN 438549-51-0 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]-3-(trifluoromethyl)- (CA INDEX NAME)

RN 438549-52-1 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438550-99-3 HCAPLUS

CN Benzamide, N-[1-cyano-2-(2-fluorophenoxy)-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438551-00-9 HCAPLUS

CN Benzamide, N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]-2-fluoro- (CA INDEX NAME)

RN 438551-01-0 HCAPLUS

CN Benzamide, N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]-4-fluoro- (CA INDEX NAME)

RN 438551-02-1 HCAPLUS

CN Benzamide, N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]-4-methyl- (CA INDEX NAME)

RN 438551-03-2 HCAPLUS

CN Benzamide, 4-acetyl-N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]- (CA INDEX NAME)

RN 438551-04-3 HCAPLUS

CN Benzamide, N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]-2,6-difluoro-(CA INDEX NAME)

RN 438551-05-4 HCAPLUS

CN Benzamide, N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]-2-fluoro-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438551-06-5 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]-2,6-difluoro- (CA INDEX NAME)

RN 438551-07-6 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]-4-methyl- (CA INDEX NAME)

RN 438551-08-7 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]-4-(1,1-dimethylethyl)- (CA INDEX NAME)

RN 438551-09-8 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]-4-methoxy- (CA INDEX NAME)

RN 438551-10-1 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]-4-phenoxy- (CA INDEX NAME)

RN 438551-11-2 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]-4-[(trifluoromethyl)thio]- (CA INDEX NAME)

RN 438551-12-3 HCAPLUS

CN Benzoic acid, 4-[[[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]am ino]carbonyl]-, methyl ester (CA INDEX NAME)

RN 438551-13-4 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]-4-(trifluoroacetyl)- (9CI) (CA INDEX NAME)

RN 438551-14-5 HCAPLUS

CN [1,1'-Biphenyl]-4-carboxamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

RN 438551-15-6 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]-2,4-bis(trifluoromethyl)- (CA INDEX NAME)

RN 438551-17-8 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]-2-fluoro-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438551-18-9 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]-3-fluoro-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438551-24-7 HCAPLUS

CN Benzamide, N-[1-cyano-2-(2,4-difluorophenoxy)-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438551-25-8 HCAPLUS

CN Benzamide, N-[1-cyano-2-(2,5-difluorophenoxy)-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438551-26-9 HCAPLUS

CN Benzamide, N-[2-(2-chloro-4-methylphenoxy)-1-cyano-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438551-27-0 HCAPLUS

CN Benzamide, N-[2-(2-chloro-5-methylphenoxy)-1-cyano-1-methylethyl]-4-(trifluoroacetyl)- (9CI) (CA INDEX NAME)

RN 438551-28-1 HCAPLUS

CN Benzamide, N-[2-(2-chloro-5-methylphenoxy)-1-cyano-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438551-29-2 HCAPLUS

CN Benzamide, N-[2-[2-chloro-4-(trifluoromethyl)phenoxy]-1-cyano-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438551-30-5 HCAPLUS

CN Benzamide, N-[2-(2-chloro-4-methoxyphenoxy)-1-cyano-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438551-32-7 HCAPLUS

CN Benzamide, N-[1-cyano-2-(2-fluoro-5-methylphenoxy)-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438551-33-8 HCAPLUS

CN Benzamide, N-[1-cyano-2-[2-fluoro-5-(trifluoromethyl)phenoxy]-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438551-34-9 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-(2,3,6-trifluorophenoxy)ethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

L14 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1999:708444 HCAPLUS

DOCUMENT NUMBER: 131:310455

TITLE: Preparation of aroylaminoacetonitriles as agricultural

and horticultural insecticides

INVENTOR(S): Andoh, Nobuharu; Sanpei, Osamu; Sakata, Kazuyuki

PATENT ASSIGNEE(S): Nihon Nohyaku Co., Ltd., Japan

SOURCE: Eur. Pat. Appl., 63 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.		KIND	DATE	APPLICATION NO.	DATE
EP 953565		A2	19991103	EP 1999-107461	19990428 <
EP 953565		А3	20021204		
EP 953565		В1	20040908		
R: AT, H	BE, CH,	DE, DI	K, ES, FR,	GB, GR, IT, LI, LU, NL,	SE, MC, PT,
IE, S	SI, LT,	LV, F	, RO		

US 6239077 TW 585849	B1 B	20010529 20040501	US 1999-295319 TW 1999-88106732		19990421 < 19990427	
EP 1445251	A1	20040811	EP 2004-10346		19990428	
EP 1445251	B1	20061227				
R: CH, DE, FR,	GB, IT	, LI				
CN 1234177	A	19991110	CN 1999-105289		19990430 <	
CN 1132516	В	20031231				
AU 9926027	A	19991111	AU 1999-26027		19990430 <	
AU 752112	B2	20020905				
JP 2000026392	A	20000125	JP 1999-124560		19990430 <	
PRIORITY APPLN. INFO.:			JP 1998-137806	A	19980501	
			EP 1999-107461	А3	19990428	

OTHER SOURCE(S): MARPAT 131:310455

AB ArlQdCONR3C(CN)R4(CR5R6)aW(CR7R8)bAr2 [I; Arl, Ar2 = (substituted) Ph, PhO, pyridyl, pyridyloxy, naphthyl; Q = CR1R2; R1, R2 = H, halo, (halo)alkyl, (halo)alkoxy, (substituted) cycloalkyl; R1R2 = (substituted) C2-6 alkylene, CH:CH, C.tplbond.C; d = 0, 1; R3 = H, (halo)alkyl; R4-R8 = H, halo, (halo)alkyl; W = O, S, SO2, NR9; R9 = H, alkyl; a, b = 0-4], were prepared Thus, 4-chlorophenol, bromoacetaldehyde di-Me acetal, K2CO3, and cat. NaI were refluxed 3 h in DMF to give 4-chlorophenoxyacetaldehyde di-Me acetal. This was refluxed with aqueous HCl in acetone to give crude 4-chlorophenoxyacetaldehyde, which was stirred with NaCN and NH4Cl in aqueous NH3 to give a reside. This was stirred with 4-chlorophenylacetyl chloride and Et3N in THF to give I (Arl, Ar2 = 4-ClC6H4; R1-R8 = H; W = O; a, d = 1; b = 0). Numerous I at 500 ppm gave 100% kill of Plutella xylostella on cabbage seedlings.

IT 247199-28-6P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of aroylaminoacetonitriles as agricultural and horticultural insecticides)

RN 247199-28-6 HCAPLUS

CN Benzamide, 4-chloro-N-[1-cyano-2-[2,6-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]-1-methylethyl]- (9CI) (CA INDEX NAME)

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L15 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:650899 HCAPLUS

DOCUMENT NUMBER: 141:173978

TITLE: Preparation of aminoacetonitrile derivatives as

agricultural and horticultural insecticides

INVENTOR(S): Andoh, Nobuharu; Sanpei, Osamu; Sakata, Kazuyuki

PATENT ASSIGNEE(S): Nihon Nohyaku Co., Ltd., Japan

SOURCE: Eur. Pat. Appl., 48 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PA'	ΓΕΝΤ	NO.			KINI	)	DATE		A	PPL	ICAT	ION I	. O <i>V</i>		Γ	ATE		
						_			_						-			
EP	1445	251			A1		2004	0811	E	P 2	004-1	1034	6		1	9990	428	
EP	1445	251			В1		2006	1227										
	R:	CH,	DE,	FR,	GB,	IT,	LI											
EP	9535	65			A2		1999	1103	E	P 1	999-1	1074	61		1	9990	428	<
EP	9535	65			АЗ		2002	1204										
EP	9535	65			В1		2004	0908										
	R:	ΑT,	BE,	CH,	DE,	DK	ES,	FR,	GB,	GR,	ΙΤ,	LI,	LU,	NL,	SE,	MC,	PT,	,
		ΙE,	SI,	LT,	LV,	FI,	RO											
PRIORIT	Y APP	LN.	INFO	.:					J	P 1	998-1	1378	06	1	A 1	9980	501	
									E	P 1	999-1	1074	61	i	A3 1	9990	428	

OTHER SOURCE(S): MARPAT 141:173978

GΙ

The title compds. Ar1(Q)dC(O)NR3C(CN)R4(CR5R6)aW(CR7R8)bAr2 [I; Ar1, Ar2 = (substituted) Ph, (substituted) phenyloxy, (substituted) phenylacetylene; (substituted) pyridyl and (substituted) naphthyl; Q = CR1R2 (wherein R1, R2 = H, halo, (halo)alkyl, etc.); R3 = H, (halo)alkyl, etc.; R4-R8 = H, halo, (halo)alkyl, etc.; W = O, S, SO2 or NR9 (wherein R9 = H, alkyl); a, b = 0-4; d = 0-1], useful as insecticides, were prepared E.g., a multi-step synthesis of II (starting from 4-chlorophenol and bromoacetaldehyde dimethylacetal), was given. The compds. I were tested against diamondback moth and against smaller tea tortrix (data were given for representative compds. I).

II 438548-44-8P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of aminoacetonitrile derivs. as agricultural and horticultural insecticides)

RN 438548-44-8 HCAPLUS

CN Benzamide, N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

L15 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:487395 HCAPLUS

DOCUMENT NUMBER: 137:52407

TITLE: Aminoacetonitrile compounds and their formulations as

parasiticides

INVENTOR(S): Ducray, Pierre; Bouvier, Jacques

PATENT ASSIGNEE(S): Novartis Ag, Switz.; Novartis-Erfindungen

Verwaltungsgesellschaft m.b.H.; Novartis Pharma GmbH

SOURCE: PCT Int. Appl., 38 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PA:	TENT	NO.			KIN	D	DATE		-		ICAT				D	ATE		
	2002 2002														2	0011	218	<
	W:	AE, CO, HR, LV,	AG, CR, HU, MA,	AL, CU, ID, MD,	AM, CZ, IL, MK,	AT, DE, IN, MN,	AU, DK, IS, MX,	AZ, DM, JP, NO, TT,	BA, DZ, KE, NZ,	EC, KG, OM,	EE, KP, PH,	ES, KR, PL,	FI, KZ, PT,	GB, LC, RO,	GD, LK, RU,	GE, LT, SE,	GH, LU,	
	RW:							RU,							DE,	DK,	ES,	
AU EP	2432 2002 1392 1392	388 0345 281	88		A1 A A2		2002 2002 2004	0701 0303	- -	CA 2 AU 2	001- 002-	2432 3458	388 8		2	0011	218	<
		AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,			LI,	LU,	NL,	SE,	MC,	PT,	
JTP	2001 2004	5210	97		Т		2004	0715		TP 2	002-	5509	81		2	0011	218	
NZ	1531 5265	38			Α		2005	1223		NZ 2	001 -	5265	38		2	0011	218	
RU AT	2286 3543 2281	775 60			C2 T		2007	1110 0315 1001		AT 2	001-	9854	21		2	0011	218	
ZA	2003	0043	31		A		2004	0428		ZA 2	003-	4331			2	0030	603	
	2003	PA05	701						]	MX 2 CH 2		PA57 2489	01		2 A 2	0030 0001	620 220	<
	~						400	F 0 4 0										

OTHER SOURCE(S): MARPAT 137:52407

AB The invention relates to the use of aminoacetonitrile compds. in the control of endoparasites, especially helminths, in warm-blooded productive livestock and domestic animals. Delivery systems for these parasiticides are described, such as granules that can be mixed with animal feed. For example, a dust-free coated granules were prepared by mixing an aminoacetonitrile active ingredient 3%, polyethylene glycol 3%, and kaolin 94%.

IT 438548-44-8 438548-80-2 438548-92-6 438549-04-3 438549-16-7 438549-52-1 438550-99-3 438551-05-4 438551-15-6

RN 438548-80-2 HCAPLUS

CN Benzamide, N-[1-cyano-2-(2,3-dichlorophenoxy)-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438548-92-6 HCAPLUS

CN Benzamide, N-[1-cyano-2-(2,4-dichlorophenoxy)-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438549-04-3 HCAPLUS

CN Benzamide, N-[1-cyano-2-(2,5-dichlorophenoxy)-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438549-16-7 HCAPLUS

CN Benzamide, N-[1-cyano-2-(2,6-dichlorophenoxy)-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438549-52-1 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438550-99-3 HCAPLUS

CN Benzamide, N-[1-cyano-2-(2-fluorophenoxy)-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438551-05-4 HCAPLUS

CN Benzamide, N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]-2-fluoro-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438551-15-6 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]-2,4-bis(trifluoromethyl)- (CA INDEX NAME)

RN 438551-17-8 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]-2-fluoro-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438551-18-9 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]-3-fluoro-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438551-24-7 HCAPLUS

CN Benzamide, N-[1-cyano-2-(2,4-difluorophenoxy)-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438551-25-8 HCAPLUS

CN Benzamide, N-[1-cyano-2-(2,5-difluorophenoxy)-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438551-26-9 HCAPLUS

CN Benzamide, N-[2-(2-chloro-4-methylphenoxy)-1-cyano-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438551-28-1 HCAPLUS

CN Benzamide, N-[2-(2-chloro-5-methylphenoxy)-1-cyano-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438551-29-2 HCAPLUS

CN Benzamide, N-[2-[2-chloro-4-(trifluoromethyl)phenoxy]-1-cyano-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438551-30-5 HCAPLUS

CN Benzamide, N-[2-(2-chloro-4-methoxyphenoxy)-1-cyano-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438551-32-7 HCAPLUS

CN Benzamide, N-[1-cyano-2-(2-fluoro-5-methylphenoxy)-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438551-33-8 HCAPLUS

CN Benzamide, N-[1-cyano-2-[2-fluoro-5-(trifluoromethyl)phenoxy]-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

RN 438551-34-9 HCAPLUS

CN Benzamide, N-[1-cyano-1-methyl-2-(2,3,6-trifluorophenoxy)ethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

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L10 ANSWER 1 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:174094 HCAPLUS

DOCUMENT NUMBER: 146:251611

TITLE: Preparation of amidonitrile compounds as parasiticides

INVENTOR(S): Ducray, Pierre; Fruechtel, Joerg; Gauvry, Noeelle;

Schorderet Weber, Sandra

PATENT ASSIGNEE(S): Novartis AG, Switz.; Novartis Pharma GmbH

SOURCE: PCT Int. Appl., 53pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PAT	ENT	NO.			KIN	D	DATE			APPL:	ICAT	ION I	NO.			ATE	
WO	2007	 0170	88		A1	_	2007	0215	1	WO 2	 006-1	EP72	 59		20	0060	
	W:	ΑE,	AG,	AL,	AM,	ΑT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BW,	BY,	BZ,	CA,	CH,
		CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,
		GE,	GH,	GM,	HN,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KM,	KN,	KP,
		KR,	KΖ,	LA,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	LY,	MA,	MD,	MG,	MK,	MN,
		MW,	MX,	MΖ,	NA,	NG,	NI,	NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RS,	RU,
		SC,	SD,	SE,	SG,	SK,	SL,	SM,	SY,	ТJ,	TM,	TN,	TR,	TT,	TZ,	UA,	UG,
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		GM,	ΚE,	LS,	MW,	MZ,	NA,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	ΑZ,	BY,
		KG,	KΖ,	MD,	RU,	ΤJ,	TM										
PRIORITY	APP	LN.	INFO	.:						EP 2	005-	1607	1		A 20	0050	725
OTHER SO	URCE	(S):			MAR:	PAT	146:	2516	11								

GΙ

AB Title Compds. Represented By The Formula I [Wherein R1 = H, alkyl, (un)substituted aryl, etc.; R2 = CN, CONR8R9 or CO2R8; A = CR3R4; B = CR5R6; R3-R9 = independently H, (cyclo)alkyl, alkenyl or alkynyl; Ar1 = (un)substituted (hetero)aryl; and their enantiomers or salts thereof] were prepared as parasiticides. For example, amidation of aminomalononitrile p-toluenesulfonate with 4-trifluoromethoxybenzoyl chloride, and followed by substitution with 1-chloro-2-chloromethoxybenzene gave II. II showed more than 80% control rate at 32 mg/kg p.o. on T. colubriformis and H. contortus. I have advantageous pesticidal properties for the control of parasites in and on warm-blooded animals.

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:469873 HCAPLUS

DOCUMENT NUMBER: 144:488414

TITLE: Chromatographic resolution process for the preparation

of enantiomers of benzamidoacetonitriles from their racemates using chiral chromatographic stationary

phases

INVENTOR(S):
Ducray, Pierre; Gauvry, Noeelle; Goebel, Thomas;

Pautrat, Francois

PATENT ASSIGNEE(S): Novartis AG, Switz.; Novartis Pharma GmbH

SOURCE: PCT Int. Appl., 19 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT	ATENT NO.					DATE			APPL	ICAT	ION 1	NO.		D.	ATE	
					_									_		
WO 2006	0508	87		A1		2006	0518	,	WO 2	005-	EP11	884		2	0051	107
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	CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FΙ,	GB,	GD,
	GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	ΚE,	KG,	KM,	KN,	KP,	KR,
	KΖ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	LY,	MA,	MD,	MG,	MK,	MN,	MW,	MX,
	MZ,	NA,	NG,	NI,	NO,	NΖ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,
	SG,	SK,	SL,	SM,	SY,	ТJ,	TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VC,
	VN,	YU,	ZA,	ZM,	ZW											
RW:	ΑT,	BE,	ВG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,	FI,	FR,	GB,	GR,	HU,	ΙE,

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IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
             GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
     AU 2005303993
                          Α1
                                 20060518
                                             AU 2005-303993
                                                                     20051107
     CA 2580247
                          Α1
                                 20060518
                                             CA 2005-2580247
                                                                     20051107
     EP 1812385
                          A1
                                 20070801
                                             EP 2005-803815
                                                                     20051107
            AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR
     CN 101056849
                                 20071017
                                             CN 2005-80038335
                          Α
                                                                     20051107
     IN 2007DN02205
                          Α
                                 20070803
                                             IN 2007-DN2205
                                                                     20070321
     US 2008045601
                          Α1
                                 20080221
                                             US 2007-667148
                                                                     20070504
     MX 200705548
                                 20070521
                                             MX 2007-5548
                                                                     20070508
                          Α
     KR 2007084061
                                 20070824
                                             KR 2007-710431
                                                                     20070508
                          Α
PRIORITY APPLN. INFO.:
                                             EP 2004-26510
                                                                    20041109
                                                                  Α
                                                                  W 20051107
                                             WO 2005-EP11884
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MARPAT 144:488414 OTHER SOURCE(S):

GT

$$R^{1}$$
 $R^{2}$ 
 $R^{2}$ 
 $R^{2}$ 
 $R^{2}$ 
 $R^{3}$ 

AΒ Pure enantiomers of benzoamidoacetonitriles [I; R1-R3 = hydrogen, halogen, nitro, cyano, (un) substituted alkyl, (un) substituted alkoxy, (un) substituted alkenyl, (un) substituted alkynyl, (un) substituted alkenyloxy, (un)substituted alkylthio, (un)substituted alkylsulfonyloxy, (un) substituted alkylsulfinyl, etc.; e.g., (-)-(S)-N-[1-cyano-2-(5-cyano-2trifluoromethylphenoxy)-1-methylethyl]-4-trifluoromethylsulfanylbenzamide] are prepared by the chromatog. of alc. solns. (e.g., MeOH-EtOH mixts.) of the I racemates [e.g., N-[1-cyano-2-(5-cyano-2-trifluoromethylphenoxy)-1methylethyl]-4-trifluoromethylsulfanylbenzamide] using chiral chromatog. stationary phases (e.g., Chiralpak polysaccharide), followed by the epimerization of the unwanted enantiomer [e.g., (+)-(R)-N-[1-cyano-2-(5-cyano-2)]cyano-2-trifluoromethylphenoxy)-1-methylethyl]-4trifluoromethylsulfanylbenzamide] into the I racemate by heating an aqueous

Ι

1,4-dioxane solution of it with NaCN, followed by chromatog. re-resolution THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS REFERENCE COUNT: 5 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 3 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:1331229 HCAPLUS

DOCUMENT NUMBER: 144:69626

TITLE: Preparation of aminoacetonitrile derivatives for

controlling parasites on warm-blooded animals

INVENTOR(S): Gauvry, Noeelle; Ducray, Pierre; Goebel, Thomas;

Kaminsky, Ronald

PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis Pharma G.m.b.H. SOURCE: PCT Int. Appl., 95 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PA	TENT	NO.			KIN	D	DATE			APPL	ICAT	ION :	NO.		D.	ATE	
WO	2005	 1210	 75		A1	_	2005	 1222		WO 2	005-:	 EP62	 07		2	0050	609
	W:	ΑE,	ΑG,	AL,	ΑM,	ΑT,	ΑU,	AΖ,	BA,	BB,	ВG,	BR,	BW,	BY,	BZ,	CA,	CH,
		CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FΙ,	GB,	GD,
		GE,	GH,	GM,	HR,	ΗU,	ID,	IL,	IN,	IS,	JP,	KΕ,	KG,	KM,	KΡ,	KR,	KΖ,
		LC,	LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NA,
		NG,	NΙ,	NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,
		SL,	SM,	SY,	ΤJ,	TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VC,	VN,	YU,
		ZA,	ZM,	ZW													
	RW:	BW,	GH,	GM,	KΕ,	LS,	MW,	MZ,	NA,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	ΑM,
		ΑZ,	BY,	KG,	KΖ,	MD,	RU,	ТJ,	TM,	ΑT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,
		EE,	ES,	FI,	FR,	GB,	GR,	HU,	IE,	IS,	ΙΤ,	LT,	LU,	MC,	NL,	PL,	PT,
		RO,	SE,	SI,	SK,	TR,	BF,	ВJ,	CF,	CG,	CI,	CM,	GΑ,	GN,	GQ,	GW,	ML,
		MR,	ΝE,	SN,	TD,	ΤG											
AU	2005	2519	17		A1		2005	1222		AU 2	005-	2519	17		2	0050	609
EP	1758	849			A1		2007	0307		EP 2	005-	7517	61		2	0050	609
	R:	ΑT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,	FΙ,	FR,	GB,	GR,	HU,	IE,
		IS,	ΙΤ,	LI,	LT,	LU,	MC,	NL,	PL,	PT,	RO,	SE,	SI,	SK,	TR		
JP	2008	5017	61		T		2008	0124		JP 2	007-	5263	05		2	0050	609
PRIORIT	Y APP	LN.	INFO	.:						EP 2	004-	1369	0		A 2	0040	610
										WO 2	005-	EP62	07	•	W 2	0050	609
OTHER S GI	OURCE	(S):			CAS	REAC	CT 14	4:69	626;	MAR	PAT	144:	6962	6			

$$\begin{bmatrix} R^{9} \\ R^{9} \\ R^{1} \\ R^{2} \\ R^{3} \\ R^{3} \\ R^{5} \\ R^{5} \\ R^{5} \\ R^{7} \\ R^{6} \\ R^{8} \\ R^{8} \\ R^{1} \\ R^$$

$$H_2N$$
 $H_2N$ 
 $H_1$ 
 $CF_3$ 
 $NC$ 
 $Me$ 
 $O$ 
 $CF_3$ 
 $II$ 

AB The title compds. I [Ar = (un)substituted (hetero)aryl; R1 = H, alkyl, haloalkyl, etc.; R2-R6 = H, halo, (un)substituted alkyl, etc.; or R2 and R3 are together alkylene; R7, R10 = NH2, OH, SH, etc.; R8 = halo, NO2, CN, etc.; R9 = halo, NO2, CN, etc.; a = 1-4; b = 0-4; m, n, o, p = 0-5; W = O, S, SO2, etc.; Y = O, S, NR11 (R11 = alkyl, (un)substituted Ph); with the

proviso that m and p are not equal to 0 at the same time] which have advantageous pesticidal properties and are particularly suitable for controlling parasites in warm-blooded animals, were prepared and formulated. E.g., a multi-step synthesis of II, starting from 4-fluoro-3-trifluoromethylbenzonitrile, was given. Compound II reduced the number of nematode worms by more than 95% in in vivo test against Trichostrongylus colubriformis and Haemonchus contortus in Mongolian gerbils by peroral administration.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 4 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:429386 HCAPLUS

DOCUMENT NUMBER: 142:481750

TITLE: A preparation of acetonitrile derivatives, useful as

pesticides

INVENTOR(S): Gauvry, Noeelle; Goebel, Thomas; Ducray, Pierre;

Pautrat, François; Kaminsky, Ronald; Jung, Martin

PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.

SOURCE: PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

	ΓENT 										ICAT					ATE	
	2005																
	W:	ΑE,	AG,	AL,	AM,	ΑT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	BW,	BY,	BZ,	CA,	CH,
		CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FΙ,	GB,	GD,
		GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	KΖ,	LC,
		LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NA,	NI,
		NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,
		ТJ,	TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US,	UΖ,	VC,	VN,	YU,	ZA,	ZM,	ZW
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		AZ,	BY,	KG,	KΖ,	MD,	RU,	ТJ,	TM,	ΑT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,
		EE,	ES,	FI,	FR,	GB,	GR,	HU,	ΙE,	IS,	ΙΤ,	LU,	MC,	NL,	PL,	PT,	RO,
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		NE,	SN,	TD,	ΤG												
AU	2004	2876	11		A1		2005	0519		AU 2	004 -	2876	11		2	0041	105
CA	AU 2004287611 CA 2544741						2005	0519		CA 2	004 -	2544	741		2	0041	105
EP	1682	493			A1		2006	0726		EP 2	004 -	7976	65		2	0041	105
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		ΙE,	SI,	FΙ,	RO,	CY,	TR,	BG,	CZ,	EE,	HU,	PL,	SK,	IS			
BR	2004	0162	94		Α		2007	0123		BR 2	004 -	1629	4		2	0041	105
CN	1902	162			Α		2007	0124		CN 2	004 -	8003	9913		2	0041	105
JP	2007	5106	32		Τ		2007	0426		JP 2	006-	5372	63		2	0041	105
MX	2006	PA05	036		Α		2006	0706									
KR	7934	62			В1		2008	0114		KR 2	006-	7087	17		2	0060	504
	2006										006-0					0060	505
US	2007	0729	44		A1		2007	0329		US 2	006-	5773	69		2	0060	626
ORIT	Y APP	LN.	INFO	.:							003-				A 2	0031	106
										GB 2	004 -	2677		-	A 2	0040	206
										WO 2	004 - 1	EP12	559	,	W 2	0041	105
DD 00		( 0 )					1 10	4040	- ^								

OTHER SOURCE(S): MARPAT 142:481750

GΙ

CN

AB The invention relates to a preparation of acetonitrile derivs. of formula I [wherein: X is Cl, Br, or CF3; Y is a single bond, O, S, S(O), or SO2; W is O or S], useful as pesticides. The active ingredients have advantageous pesticidal properties. They are especially suitable for controlling parasites in and on warm-blooded animals. For instance, acetonitrile derivative II was prepared via etherification of alc. III by 3-fluoro-4-trifluoromethylbenzonitrile. The efficacy was calculated as the % reduction of the number of worms in each gerbil, compared with the geometric average

ΙI

of number of worms from 6 infected and untreated gerbils (mongolian gerbils, 3.2 mg/kg; H. contortus.: 100%, T. colubriformis.: 100%).

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 5 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:977572 HCAPLUS

DOCUMENT NUMBER: 138:33311

TITLE: Aminoacetonitrile derivatives as endoparasiticides

INVENTOR(S):
Ducray, Pierre

PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis-Erfindungen

Verwaltungsgesellschaft m.b.H.

SOURCE: PCT Int. Appl., 31 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

	TENT 1																
	2002																
	W:	ΑE,	AG,	AL,	AM,	ΑT,	AU,	AZ,	ΒA,	BE	B, BG	, BR,	BY,	BZ,	CA,	CH,	CN,
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		HR,	HU,	ID,	IL,	IN,	IS,	JP,	ΚE,	KG	, KP	, KR,	KΖ,	LC,	LK,	LT,	LU,
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CA	2449	854			A1											0020	
	2002											-3450				0020	
	1401									EΡ	2002	-7432	00		2	0020	614
EP	1401						2007								~ _		
	R:		•								•	, LI,	LU,	NL,	SE,	MC,	PT,
55	0000						RO,				•		_		0	0000	C1 1
BK	2002	0109	26		A							-1092				0020	-
CN	1529	33Z 53A7	11		A							-8142 -5047				0020 0020	
UP N7	1529 2004 5301	2007	11		2/ T							-5047 -5301				0020	-
DII N	2294	20 640			A C2							-3301 -1375				0020	
NO NT	3654	55			T		2007					-1373 -7432				0020	
ES	2294 3654 2287	289			ΤЗ		2007					-7432				0020	
7.A	2003	0096	72		A		2004					-9672				0021	
MX	2003	PA11	630		A		2004			MX	2003	-PA11	630		2	0031	
	2003						2006					-CN19				0031	-
	2004						2004					-4805				0040	
PRIORIT												-1085					
				•						WO	2002	-EP65	89		w 2	0020	
OTHER SO	OURCE	(S):			MAR:	PAT	138:	3331									

GΙ

$$R^{1}m$$
  $O$   $NC$   $Me$   $O$   $I$ 

AB The aminoacetonitrile derivs. I [R1 = (halo)alkyl, (halo)alkoxy, halo; R2 = haloalkyl; m = 1,2 or 3] control endoparasites, especially helminths, in warm-blooded productive livestock and domestic animals.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 6 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:487395 HCAPLUS

DOCUMENT NUMBER: 137:52407

TITLE: Aminoacetonitrile compounds and their formulations as

parasiticides

INVENTOR(S): Ducray, Pierre; Bouvier, Jacques

PATENT ASSIGNEE(S): Novartis Ag, Switz.; Novartis-Erfindungen

Verwaltungsgesellschaft m.b.H.; Novartis Pharma GmbH

SOURCE: PCT Int. Appl., 38 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

ENT :	NO.			KINI	)	DATE			APP	LIC	AT]	ON I	NO.		D	ATE	
									WO	200	1-E	EP14:	926		2	0011	218
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		31		A													
2004	0826					2004	0429										
2003	PA05	701		А		2003	1006		MX	200	3-E	A57	01		2	0030	620
APP	LN.															0001	220
									ωı	200	11_5	D1/1	926	1	TAT 2	0011	218
	2002 2002 W: RW: 2432 2002 1392 1392 R: 2001 2004 1531 5265 2286 3543 2281 2003 2004 2003	20020496 W: AE, CO, HR, LV, SI, RW: AM, FI, 2432388 20020345 1392281 R: AT, IE, 20010163 20045210 1531426 526538 2286775 354360 2281453 20030043 20040826 2003PA05	2002049641 2002049641 W: AE, AG, CO, CR, HR, HU, LV, MA, SI, SK, RW: AM, AZ, FI, FR, 2432388 2002034588 1392281 R: AT, BE, IE, SI, 2001016326 2004521097 1531426 526538 2286775 354360 2281453 2003004331 2004082624 2003PA05701	2002049641 2002049641 W: AE, AG, AL,	2002049641 A2 2002049641 A3 W: AE, AG, AL, AM, CO, CR, CU, CZ, HR, HU, ID, IL, LV, MA, MD, MK, SI, SK, TJ, TM, RW: AM, AZ, BY, KG, FI, FR, GB, GR, 2432388 A1 2002034588 A1 392281 A2 1392281 B1 R: AT, BE, CH, DE, IE, SI, LT, LV, 2001016326 A 2004521097 T 1531426 A 526538 A 2286775 C2 354360 T 2281453 T3 2003004331 A 2004082624 A1 2003PA05701	2002049641 A2 2002049641 A3 W: AE, AG, AL, AM, AT, CO, CR, CU, CZ, DE, HR, HU, ID, IL, IN, LV, MA, MD, MK, MN, SI, SK, TJ, TM, TN, RW: AM, AZ, BY, KG, KZ, FI, FR, GB, GR, IE, 2432388 A1 2002034588 A 1392281 A2 1392281 B1 R: AT, BE, CH, DE, DK, IE, SI, LT, LV, FI, 2001016326 A 2004521097 T 1531426 A 526538 A 2286775 C2 354360 T 2281453 T3 2003004331 A 2004082624 A1 2003PA05701	2002049641 A2 2002 2002049641 A3 2003 W: AE, AG, AL, AM, AT, AU, CO, CR, CU, CZ, DE, DK, HR, HU, ID, IL, IN, IS, LV, MA, MD, MK, MN, MX, SI, SK, TJ, TM, TN, TR, RW: AM, AZ, BY, KG, KZ, MD, FI, FR, GB, GR, IE, IT, 2432388 A1 2002 2002034588 A 2002 1392281 A2 2004 1392281 B1 2007 R: AT, BE, CH, DE, DK, ES, IE, SI, LT, LV, FI, RO, 2001016326 A 2004 2004521097 T 2004 1531426 A 2004 2004521097 T 2004 1531426 A 2004 2004521097 T 2004 256538 A 2005 2286775 C2 2006 354360 T 2007 2281453 T3 2007 2281453 T3 2007 2003004331 A 2004 2004082624 A1 2004	2002049641 A2 20020627 2002049641 A3 20031204 W: AE, AG, AL, AM, AT, AU, AZ,	2002049641 A2 20020627 2002049641 A3 20031204 W: AE, AG, AL, AM, AT, AU, AZ, BA,	2002049641 A2 20020627 WO 2002049641 A3 20031204  W: AE, AG, AL, AM, AT, AU, AZ, BA, BE CO, CR, CU, CZ, DE, DK, DM, DZ, EC HR, HU, ID, IL, IN, IS, JP, KE, KG LV, MA, MD, MK, MN, MX, NO, NZ, OM SI, SK, TJ, TM, TN, TR, TT, UA, US RW: AM, AZ, BY, KG, KZ, MD, RU, TJ, TM FI, FR, GB, GR, IE, IT, LU, MC, NL 2432388 A1 20020627 CA 2002034588 A 20020701 AU 1392281 A2 20040303 EP 1392281 B1 20070221  R: AT, BE, CH, DE, DK, ES, FR, GB, GR IE, SI, LT, LV, FI, RO, MK, CY, AL 2001016326 A 20040706 BR 2004521097 T 20040715 JP 1531426 A 20040706 BR 2004521097 T 20040715 JP 1531426 A 20040706 BR 2286775 C2 20061110 RU 354360 T 20070315 AT 2281453 T3 20071001 ES 2281453 T3 20071001 ES 2003004331 A 20040428 ZA 2004082624 A1 20040429 US 2003PA05701 A 20031006 MX	2002049641 A2 20020627 W0 200 2002049641 A3 20031204  W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, E	2002049641 A2 20020627 W0 2001-E 2002049641 A3 20031204  W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, LV, MA, MD, MK, MN, MX, NO, NZ, OM, PH, SI, SK, TJ, TM, TN, TR, TT, UA, US, UZ, RW: AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, 2432388 A1 20020627 CA 2001-2 2302034588 A 20020701 AU 2002-3 1392281 A2 20040303 EP 2001-3 1392281 B1 20070221  R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR 2001016326 A 20040706 BR 2001-1 2004521097 T 20040715 JP 2002-5 1531426 A 20040706 BR 2001-1 256538 A 20051223 NZ 2001-2 256538 A 20051223 NZ 2001-5 354360 T 20070315 AT 20070315	2002049641	2002049641	2002049641	2002049641	2002049641       A3       20031204         W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LT, LV, MA, MD, MK, MN, MX, NO, NZ, OM, PH, PL, PT, RO, RU, SE, SI, SK, TJ, TM, TN, TR, TT, UA, US, UZ, VN, YU, ZA, ZW         RW: AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR         2432388       A1       20020627       CA 2001-2432388       20011         3392281       A2       20040303       EP 2001-985421       20011         31392281       B1       20070221       AL, TR         2001016326       A       20040706       BR 2001-16326       20011         2004538       A       20040705       BR 2001-821015       20011         1531426       A       20040705       BR 2001-985421       20011         226538       A       20040705       BR 2001-985421       20011         526538       A       20040706       BR 2001-985421       20011         5265

#### OTHER SOURCE(S): MARPAT 137:52407

AB The invention relates to the use of aminoacetonitrile compds. in the control of endoparasites, especially helminths, in warm-blooded productive livestock and domestic animals. Delivery systems for these parasiticides are described, such as granules that can be mixed with animal feed. For example, a dust-free coated granules were prepared by mixing an aminoacetonitrile active ingredient 3%, polyethylene glycol 3%, and kaolin 94%.

# => d l11 ibib abs tot

L11 ANSWER 1 OF 9 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:174094 HCAPLUS

DOCUMENT NUMBER: 146:251611

TITLE: Preparation of amidonitrile compounds as parasiticides

INVENTOR(S): Ducray, Pierre; Fruechtel, Joerg; Gauvry, Noeelle;

Schorderet Weber, Sandra

PATENT ASSIGNEE(S): Novartis AG, Switz.; Novartis Pharma GmbH

SOURCE: PCT Int. Appl., 53pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PA'	TENT :	NO.			KIN	D	DATE			APPL	ICAT	ION I	.OV		D	ATE	
WO	2007	0170	88		A1	_	2007	0215	1	WO 2	006-	EP72	59		2	0060	724
	W:	ΑE,	AG,	AL,	AM,	ΑT,	ΑU,	AZ,	ΒA,	BB,	BG,	BR,	BW,	BY,	BZ,	CA,	CH,
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		GE,	GH,	GM,	HN,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KΕ,	KG,	KM,	KN,	KP,
		KR,	KΖ,	LA,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	LY,	MA,	MD,	MG,	MK,	MN,
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	MW, MX, M SC, SD, S					SK,	SL,	SM,	SY,	ТJ,	TM,	TN,	TR,	TT,	TZ,	UA,	UG,
		US,	UZ,	VC,	VN,	ZA,	ZM,	ZW									
	RW:	ΑT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,	FΙ,	FR,	GB,	GR,	HU,	ΙE,
		IS,	IT,	LT,	LU,	LV,	MC,	NL,	PL,	PT,	RO,	SE,	SI,	SK,	TR,	BF,	ВJ,
		CF,	CG,	CI,	CM,	GΑ,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD,	TG,	BW,	GH,
		GM,	ΚE,	LS,	MW,	MZ,	NA,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	ΑM,	ΑZ,	BY,
		KG,	KΖ,	MD,	RU,	ТJ,	TM										
PRIORIT	Y APP	LN.	INFO	.:						EP 2	005-	1607	1		A 2	0050	725
OTHER S	OURCE	(S):			MAR:	PAT	146:	2516	11								

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AΒ Title Compds. Represented By The Formula I [Wherein R1 = H, alkyl, (un) substituted aryl, etc.; R2 = CN, CONR8R9 or CO2R8; A = CR3R4; B = CR5R6; R3-R9 = independently H, (cyclo)alkyl, alkenyl or alkynyl; Ar1 = (un) substituted (hetero) aryl; and their enantiomers or salts thereof] were prepared as parasiticides. For example, amidation of aminomalononitrile p-toluenesulfonate with 4-trifluoromethoxybenzoyl chloride, and followed by substitution with 1-chloro-2-chloromethoxybenzene gave II. II showed more than 80% control rate at 32 mg/kg p.o. on T. colubriformis and H. contortus. I have advantageous pesticidal properties for the control of parasites in and on warm-blooded animals.

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT L11 ANSWER 2 OF 9 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:469873 HCAPLUS

DOCUMENT NUMBER: 144:488414

TITLE: Chromatographic resolution process for the preparation

of enantiomers of benzamidoacetonitriles from their racemates using chiral chromatographic stationary

phases

INVENTOR(S): Ducray, Pierre; Gauvry, Noeelle; Goebel, Thomas;

Pautrat, Francois

PATENT ASSIGNEE(S): Novartis AG, Switz.; Novartis Pharma GmbH

SOURCE: PCT Int. Appl., 19 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

	PA:	CENT :	NO.			KIN	D	DATE				LICAT				D	ATE	
	WO	2006	0508	 87		A1	_	2006	0518			2005-:				2	.0051	 107
		W:	ΑE,	AG,	AL,	AM,	ΑT,	ΑU,	AZ,	BA,	BB	, BG,	BR,	BW,	BY,	BZ,	CA,	CH,
			CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ	, EC,	EE,	EG,	ES,	FΙ,	GB,	GD,
			GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS	, JP,	KE,	KG,	KM,	KN,	KP,	KR,
			KΖ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	LY	, MA,	MD,	MG,	MK,	MN,	MW,	MX,
			MZ,	NΑ,	NG,	NΙ,	NO,	NΖ,	OM,	PG,	PH	, PL,	PT,	RO,	RU,	SC,	SD,	SE,
			SG,	SK,	SL,	SM,	SY,	ТJ,	TM,	TN,	TR	, TT,	TZ,	UA,	UG,	US,	UΖ,	VC,
			VN,	YU,	ZA,	ZM,	ZW											
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			IS,	ΙΤ,	LT,	LU,	LV,	MC,	ΝL,	PL,	PΤ	, RO,	SE,	SI,	SK,	TR,	BF,	ВJ,
												, MR,						
			,	,	,	,	,	,	SD,	SL,	SZ	, TZ,	UG,	ZM,	ZW,	ΑM,	AZ,	BY,
				KZ,	,		- ,											
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	US	2008	0456	01		A1		2008	0221		US .	2007-	6671	48		2	0070	
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OTHER	( 5(	JUKCE	(S):			MAR.	PAI	144:	4884.	1 <del>4</del>								

OTHER SOURCE(S): MARPAT 144:488414

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$$R^{1}$$
 $R^{2}$ 
 $R^{2}$ 
 $R^{2}$ 
 $R^{2}$ 
 $R^{2}$ 
 $R^{3}$ 
 $R^{3}$ 
 $R^{2}$ 
 $R^{3}$ 

Pure enantiomers of benzoamidoacetonitriles [I; R1-R3 = hydrogen, halogen, AB nitro, cyano, (un) substituted alkyl, (un) substituted alkoxy, (un) substituted alkenyl, (un) substituted alkynyl, (un) substituted alkenyloxy, (un)substituted alkylthio, (un)substituted alkylsulfonyloxy, (un) substituted alkylsulfinyl, etc.; e.g., (-)-(S)-N-[1-cyano-2-(5-cyano-2trifluoromethylphenoxy)-1-methylethyl]-4-trifluoromethylsulfanylbenzamide] are prepared by the chromatog. of alc. solns. (e.g., MeOH-EtOH mixts.) of the I racemates [e.g., N-[1-cyano-2-(5-cyano-2-trifluoromethylphenoxy)-1methylethyl]-4-trifluoromethylsulfanylbenzamide] using chiral chromatog. stationary phases (e.g., Chiralpak polysaccharide), followed by the epimerization of the unwanted enantiomer [e.g., (+)-(R)-N-[1-cyano-2-(5-cyano-2)]cyano-2-trifluoromethylphenoxy)-1-methylethyl]-4trifluoromethylsulfanylbenzamide] into the I racemate by heating an aqueous 1,4-dioxane solution of it with NaCN, followed by chromatog. re-resolution THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS REFERENCE COUNT: 5 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 3 OF 9 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:1331229 HCAPLUS

DOCUMENT NUMBER: 144:69626

TITLE: Preparation of aminoacetonitrile derivatives for

controlling parasites on warm-blooded animals

INVENTOR(S): Gauvry, Noeelle; Ducray, Pierre; Goebel, Thomas;

Kaminsky, Ronald

PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.

SOURCE: PCT Int. Appl., 95 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PA	PATENT NO.					D	DATE			APPL	ICAT	ION I	NO.		D.	ATE	
WO	2005	1210	 75		A1	_	2005	1222		 WO 2	005-	EP62	07		2	0050	609
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		LC,	LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NA,
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	AZ, BY, KG			KG,	KΖ,	MD,	RU,	ТJ,	TM,	ΑT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,
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AU	2005	2519	17		A1		2005	1222		AU 2	005-	2519:	17		2	0050	609
EP	1758	849			A1		2007	0307		EP 2	005-	7517	61		2	0050	609
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								NL,									
JP	2008	5017	61		Τ		2008	0124		JP 2	007-	5263	05		2	0050	609
PRIORIT	ORITY APPLN. INFO.:									EP 2	004-	1369	0		A 2	0040	610
										WO 2	005-	EP62	07	1	W 2	0050	609
OTHER SO	ER SOURCE(S):				CAS:	REAC	T 14	4:69	626;	MAR	PAT	144:	6962	6			

$$\begin{bmatrix} R^{9} \\ O \\ Ar \\ CN \\ R^{4} \\ R^{6} \end{bmatrix} \xrightarrow{R^{5}} \begin{bmatrix} R^{7} \\ m \\ R^{8} \\ n \end{bmatrix}$$

$$H_2N$$
 $H_2N$ 
 $O$ 
 $CF_3$ 
 $NC$ 
 $Me$ 
 $O$ 
 $CF_3$ 
 $II$ 

AB The title compds. I [Ar = (un)substituted (hetero)aryl; R1 = H, alkyl, haloalkyl, etc.; R2-R6 = H, halo, (un)substituted alkyl, etc.; or R2 and R3 are together alkylene; R7, R10 = NH2, OH, SH, etc.; R8 = halo, NO2, CN, etc.; R9 = halo, NO2, CN, etc.; a = 1-4; b = 0-4; m, n, o, p = 0-5; W = O, S, SO2, etc.; Y = O, S, NR11 (R11 = alkyl, (un)substituted Ph); with the proviso that m and p are not equal to 0 at the same time] which have advantageous pesticidal properties and are particularly suitable for controlling parasites in warm-blooded animals, were prepared and formulated. E.g., a multi-step synthesis of II, starting from 4-fluoro-3-trifluoromethylbenzonitrile, was given. Compound II reduced the number of nematode worms by more than 95% in in vivo test against Trichostrongylus colubriformis and Haemonchus contortus in Mongolian gerbils by peroral administration.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 4 OF 9 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:429386 HCAPLUS

DOCUMENT NUMBER: 142:481750

TITLE: A preparation of acetonitrile derivatives, useful as

pesticides

INVENTOR(S): Gauvry, Noeelle; Goebel, Thomas; Ducray, Pierre;

Pautrat, François; Kaminsky, Ronald; Jung, Martin Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.

PATENT ASSIGNEE(S): Novartis A.-G., Switz.; SOURCE: PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

WO 2005044784 A1 20050519 WO 2004-EP12559 20041105

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,

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GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
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     AU 2004287611
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                                             IN 2006-CN1565
                                                                    20060505
                                             US 2006-577369
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                                                                    20060626
                                            EP 2003-25290 A 20031106
GB 2004-2677 A 20040206
WO 2004-EP12559 W 20041105
PRIORITY APPLN. INFO.:
OTHER SOURCE(S): MARPAT 142:481750
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AB The invention relates to a preparation of acetonitrile derivs. of formula I [wherein: X is Cl, Br, or CF3; Y is a single bond, O, S, S(O), or SO2; W is O or S], useful as pesticides. The active ingredients have advantageous pesticidal properties. They are especially suitable for controlling parasites in and on warm-blooded animals. For instance, acetonitrile derivative II was prepared via etherification of alc. III by 3-fluoro-4-trifluoromethylbenzonitrile. The efficacy was calculated as the % reduction of the number of worms in each gerbil, compared with the geometric average

of number of worms from 6 infected and untreated gerbils (mongolian gerbils, 3.2 mg/kg; H. contortus.: 100%, T. colubriformis.: 100%).

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 5 OF 9 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:650899 HCAPLUS

DOCUMENT NUMBER: 141:173978

TITLE: Preparation of aminoacetonitrile derivatives as

agricultural and horticultural insecticides

INVENTOR(S): Andoh, Nobuharu; Sanpei, Osamu; Sakata, Kazuyuki

PATENT ASSIGNEE(S): Nihon Nohyaku Co., Ltd., Japan

SOURCE: Eur. Pat. Appl., 48 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PA	PATENT NO.					D	DATE			API	PLIC	CATI	ION	NO.			DATE	
	1445				A1 B1	_	2004 2006			EP	200	)4-1	1034	6			19990	)428
	R:	CH,	DE,	FR,	GB,	ΙT	, LI											
	9535 9535				A2 A3		1999 2002			EP	199	99-1	1074	61			19990	)428
EP	9535			~	B1		2004		~-	~-						~-		
	R:				DE, LV,		, ES, , RO	FR,	GB,	Gł	⊰, ⊥	Τ,	∟⊥,	LU,	NL,	SE	, MC,	PT,
PRIORIT	Y API	PLN.	INFO	.:						-		-	1378 1074				19980 19990	–
OTUED C		7/51.			MADI	рдт	1/11•	1739	7.8			-		0 1				, 120

OTHER SOURCE(S): MARPAT 141:173978

GΙ

$$C1 \xrightarrow{\qquad \qquad \qquad H \qquad \qquad H \qquad H \qquad H} C1 \xrightarrow{\qquad \qquad \qquad \qquad \qquad } C1 \xrightarrow{\qquad \qquad \qquad \qquad } C1 \xrightarrow{\qquad \qquad \qquad \qquad } C1$$

AB The title compds. Ar1(Q)dC(O)NR3C(CN)R4(CR5R6)aW(CR7R8)bAr2 [I; Ar1, Ar2 = (substituted) Ph, (substituted) phenyloxy, (substituted) phenylacetylene; (substituted) pyridyl and (substituted) naphthyl; Q = CR1R2 (wherein R1, R2 = H, halo, (halo)alkyl, etc.); R3 = H, (halo)alkyl, etc.; R4-R8 = H, halo, (halo)alkyl, etc.; W = O, S, SO2 or NR9 (wherein R9 = H, alkyl); a, b = 0-4; d = 0-1], useful as insecticides, were prepared E.g., a multi-step

synthesis of II (starting from 4-chlorophenol and bromoacetaldehyde dimethylacetal), was given. The compds. I were tested against diamondback moth and against smaller tea tortrix (data were given for representative compds. I).

L11 ANSWER 6 OF 9 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:977572 HCAPLUS

DOCUMENT NUMBER: 138:33311

TITLE: Aminoacetonitrile derivatives as endoparasiticides

INVENTOR(S):
Ducray, Pierre

PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis-Erfindungen

Verwaltungsgesellschaft m.b.H.

SOURCE: PCT Int. Appl., 31 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PA:	PATENT NO.					)	DATE						ON 1			D	ATE	
WO	2002	1021	 55		A1	_	2002	1227								2	0020	614
	W:	CO, HR,	CR, HU,	CU, ID,	CZ, IL,	DE, IN,	AU, DK, IS,	DM, JP,	DZ, KE,	EC KG	С, Е G, К	E,	ES, KR,	FI, KZ,	GB, LC,	GD, LK,	GE, LT,	GH, LU,
							MX, TR,											SG,
	RW:	AT,		CH,	CY,		DK,		•		•		•		•			NL,
TW	2363 2449						2005	0721		TW	200	2-9	111:	2863		2	0020	613
CA	2449	854			A1		2002	1227		CA	200	2-2	2449	854		2	0020	614
AU	2002	3450	43		A1		2003	0102		ΑU	200	12-3	3450	43		2	0020	614
EP	1401	277			A1		2004	0331		ΕP	200	2-7	7432	00		2	0020	614
EP	1401	.401277 R: AT, BE, CH			В1		2007	0627										
	R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GF	₹, Ι	Ι,	LI,	LU,	NL,	SE,	MC,	PT,
		ΙE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	ΑI	, T	'R						
BR	2002	0109.	26		А		2004	0608		BR	200	12-1	1092	6		2	0020	614
CN	1529	552			А		2004	0915		СИ	200	12-8	3142	12		2	0020	614
JP	2002 1529 2004	5307	11		${ m T}$		2004	1007		JΡ	200	3-5	047	52		2	0020	614
NZ	5301 2294	20			А		ZUU5	U93U		NΖ	200	12-5	33UI.	∠∪			0020	6 I 4
RU	2294	640			C2		2007											
AT	3654 2287	55			T		2007							00			0020	
							2007							00			0020	
		2003009672					2004										0031	
	2003						2004			MX	200	13-E	PA11	630		2	0031 0031	215
					A 2006010													
	US 2004209950				A1		2004	1021		US	200	4-4	1805	10		2	0040	601
IORIT	ORITY APPLN. INFO.:			. :										89			0010 0020	
TIED C			MADI	ייי ע כ	120.	2221	1											

OTHER SOURCE(S): MARPAT 138:33311

GΙ

$$R^1m$$
  $O$   $NC$   $Me$   $O$   $I$ 

AB The aminoacetonitrile derivs. I [R1 = (halo)alkyl, (halo)alkoxy, halo; R2 = haloalkyl; m = 1,2 or 3] control endoparasites, especially helminths, in warm-blooded productive livestock and domestic animals.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 7 OF 9 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:888695 HCAPLUS

DOCUMENT NUMBER: 137:384655

TITLE: Preparation of benzamidoacetonitriles for controlling

parasites

INVENTOR(S): Ducray, Pierre; Bouvier, Jacques; Keller, Matthias;

Bergamin, Corina

PATENT ASSIGNEE(S): Novartis AG, Switz.; Novartis-Erfindungen

Verwaltungsgesellschaft m.b.H.; Novartis Pharma GmbH

SOURCE: PCT Int. Appl., 81 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PAT	PATENT NO.					D	DATE			APPL	ICAT	ION I	.O.		Di	ATE	
	2002 2002								;	WO 2	002-	EP52	94		2	0020	514
	₩:	AE, CO, HR, LV, SI, AM,	AG, CR, HU, MA, SK, AZ,	AL, CU, ID, MD, TJ, BY,	AM, CZ, IL, MK, TM, KG,	AT, DE, IN, MN, TN, KZ,	AU, DK, IS, MX, TR, MD,	AZ, DM, JP, NO, TI, RU,	DZ, KE, NZ, UA, TJ,	EC, KG, OM, US, TM,	EE, KP, PH, UZ, AT,	ES, KR, PL, VN, BE,	FI, KZ, PT, YU, CH,	GB, LC, RO, ZA,	GD, LK, RU, ZW	GE, LT, SE,	GH, LU, SG,
AU EP							CA 2 AU 2 EP 2	002- 002- 002-	2447 3169 7452	084 03 92		2)	0020. 0020.	514 514			
CN JP NZ RU AT ZA	2 2004533451 Z 529368 J 2284990 F 349421 A 2003008592				LV, A A T A C2	FI,	RO, 2004	MK, 0615 0922 1104 0624 1010 0115 0903	CY,	AL, BR 2 CN 2 JP 2 NZ 2 RU 2 AT 2 ZA 2	TR 002- 002- 002- 002- 003- 002-	9828 8119: 5894: 5293( 1341) 7452: 8592	35 38 68 79 92		2) 2) 2) 2) 2) 2)	MC, 0020: 0020: 0020: 0020: 0020: 0020: 0031:	514 514 514 514 514 514 104

MX 2003PA10404 A 20040309 MX 2003-PA10404 20031114
US 2004220055 A1 20041104 US 2004-477289 20040601
PRIORITY APPLN. INFO:: CH 2001-919 A 20010515
WO 2002-EP5294 W 20020514

Ι

OTHER SOURCE(S): MARPAT 137:384655

GΙ

AB The title compds. [I; Ar1, Ar2 = (un)substituted Ph, OPh, phenylacetylenyl, etc.; Q1 = CH2, OCH2, S, SO, SO2, CO; Q2 = a bond, CO; R3 = H, alkyl, haloalkyl, etc.; R4-R8 = H, halo, alkyl, etc.; or R4 and R5 together = alkylene; W = O, S, SO2, NH, Nalkyl; a = 1-4; b = 0-4; n = 0-1] which have advantageous pesticidal properties, and are especially suitable for controlling parasites in warm-blooded animals (also humans), were prepared and formulated. Thus, amidation of benzophenone-4-carboxylic acid with 2-amino-2-methyl-3-(2-trifluoromethylphenoxy)propionitrile afforded II which showed a 100% reduction in Trichostrongylus infestation at 32 mg/kg.

L11 ANSWER 8 OF 9 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:487395 HCAPLUS

DOCUMENT NUMBER: 137:52407

TITLE: Aminoacetonitrile compounds and their formulations as

parasiticides

INVENTOR(S): Ducray, Pierre; Bouvier, Jacques

PATENT ASSIGNEE(S): Novartis Ag, Switz.; Novartis-Erfindungen

Verwaltungsgesellschaft m.b.H.; Novartis Pharma GmbH

SOURCE: PCT Int. Appl., 38 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002049641	A2	20020627	WO 2001-EP14926	20011218
WO 2002049641	A3	20031204		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,

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CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
                HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LT, LU,
                LV, MA, MD, MK, MN, MX, NO, NZ, OM, PH, PL, PT, RO, RU, SE, SG,
                SI, SK, TJ, TM, TN, TR, TT, UA, US, UZ, VN, YU, ZA, ZW
           RW: AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES,
                FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR
      CA 2432388
                            A1 20020627 CA 2001-2432388
                                                                                  20011218
      AU 2002034588
                              Α
                                      20020701
                                                  AU 2002-34588
                                                                                  20011218
      EP 1392281
                              A2
                                      20040303 EP 2001-985421
                                                                                  20011218
      EP 1392281
                              В1
                                     20070221
          R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
                IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
                          A 20040706 BR 2001-16326
      BR 2001016326
                                                                                  20011218
                                                    JP 2002-550981
      JP 2004521097
                              Τ
                                      20040715
                                                                                  20011218
      CN 1531426
                             A
                                      20040922
                                                     CN 2001-821015
                                                                                  20011218
                                                   NZ 2001-526538
      NZ 526538
                              A
                                      20051223
                                                                                  20011218

      NZ 526538
      A
      20051223

      RU 2286775
      C2
      20061110

      AT 354360
      T
      20070315

      ES 2281453
      T3
      20071001

      ZA 2003004331
      A
      20040428

      US 2004082624
      A1
      20040429

      MX 2003PA05701
      A
      20031006

                                                   RU 2003-122196
                                                                                  20011218
                                                   AT 2001-985421
                                                                                  20011218
                                                    ES 2001-985421
                                                                                  20011218
                                                      ZA 2003-4331
                                                                                  20030603
                                                     US 2003-433811
                                                                                  20030606
                                                      MX 2003-PA5701
                                                                                  20030620
                                                                            A 20001220
W 20011218
PRIORITY APPLN. INFO.:
                                                      CH 2000-2489
                                                      WO 2001-EP14926
```

OTHER SOURCE(S): MARPAT 137:52407

AB The invention relates to the use of aminoacetonitrile compds. in the control of endoparasites, especially helminths, in warm-blooded productive livestock and domestic animals. Delivery systems for these parasiticides are described, such as granules that can be mixed with animal feed. For example, a dust-free coated granules were prepared by mixing an aminoacetonitrile active ingredient 3%, polyethylene glycol 3%, and kaolin 94%.

L11 ANSWER 9 OF 9 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1999:708444 HCAPLUS

DOCUMENT NUMBER: 131:310455

TITLE: Preparation of aroylaminoacetonitriles as agricultural

and horticultural insecticides

INVENTOR(S): Andoh, Nobuharu; Sanpei, Osamu; Sakata, Kazuyuki

PATENT ASSIGNEE(S): Nihon Nohyaku Co., Ltd., Japan

SOURCE: Eur. Pat. Appl., 63 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND DAT	TE APPI	LICATION NO.	DATE
EP 953565	A2 199	991103 EP 1	1999-107461	19990428
EP 953565	A3 200	021204		
EP 953565	B1 200	040908		
R: AT, BE, CH,	DE, DK, ES	S, FR, GB, GR,	IT, LI, LU, NL,	SE, MC, PT,
IE, SI, LT,	LV, FI, RO	0		
US 6239077	B1 200	010529 US 1	1999-295319	19990421
TW 585849	В 200	040501 TW 1	L999-88106732	19990427
EP 1445251	A1 200	040811 EP 2	2004-10346	19990428

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EP 1445251
                     B1 20061227
       R: CH, DE, FR, GB, IT, LI
                                     CN 1999-105289
    CN 1234177 A 19991110
                                                          19990430
    CN 1132516
                     В
                           20031231
    AU 9926027
                                     AU 1999-26027
                     Α
                           19991111
                                                          19990430
    AU 752112
                     В2
                          20020905
    JP 2000026392
                                      JP 1999-124560
                    Α
                           20000125
                                                          19990430
PRIORITY APPLN. INFO.:
                                      JP 1998-137806
                                                      A 19980501
                                      EP 1999-107461
                                                      A3 19990428
```

MARPAT 131:310455

AB Ar1QdCONR3C(CN)R4(CR5R6)aW(CR7R8)bAr2 [I; Ar1, Ar2 = (substituted) Ph, PhO, pyridyl, pyridyloxy, naphthyl; Q = CR1R2; R1, R2 = H, halo, (halo)alkyl, (halo)alkoxy, (substituted) cycloalkyl; R1R2 = (substituted) C2-6 alkylene, CH:CH, C.tplbond.C; d = 0, 1; R3 = H, (halo)alkyl; R4-R8 = H, halo, (halo)alkyl; W = O, S, SO2, NR9; R9 = H, alkyl; a, b = 0-4], were prepared Thus, 4-chlorophenol, bromoacetaldehyde di-Me acetal, K2CO3, and cat. NaI were refluxed 3 h in DMF to give 4-chlorophenoxyacetaldehyde

di-Me acetal. This was refluxed with aqueous HCl in acetone to give crude 4-chlorophenoxyacetaldehyde, which was stirred with NaCN and NH4Cl in aqueous NH3 to give a reside. This was stirred with 4-chlorophenylacetyl chloride and Et3N in THF to give I (Ar1, Ar2 = 4-ClC6H4; R1-R8 = H; W = O; a, d = 1; b = 0). Numerous I at 500 ppm gave 100% kill of Plutella xylostella on cabbage seedlings.

## => d l12 ibib abs tot

OTHER SOURCE(S):

L12 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:429386 HCAPLUS

DOCUMENT NUMBER: 142:481750

TITLE: A preparation of acetonitrile derivatives, useful as

pesticides

INVENTOR(S): Gauvry, Noeelle; Goebel, Thomas; Ducray, Pierre;

Pautrat, François; Kaminsky, Ronald; Jung, Martin

PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.

SOURCE: PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PA:	TENT		KIN	D	DATE			APPL	ICAT	ION 1	NO.		D	ATE			
WO	2005	0447	 84		A1	_	2005	0519	,	WO 2	004-	EP12	 559		2	0041	 105
	W:	ΑE,	AG,	AL,	AM,	ΑT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	BW,	BY,	BZ,	CA,	CH,
		CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,
		GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	KΖ,	LC,
	LK, LR, LS		LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NA,	NΙ,	
		NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,
		ТJ,	TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	ZW
	RW:	BW,	GH,	GM,	KE,	LS,	MW,	MZ,	NA,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	ΑM,
		AZ,	BY,	KG,	KΖ,	MD,	RU,	ΤJ,	TM,	ΑT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,
		EE,	ES,	FΙ,	FR,	GB,	GR,	HU,	ΙE,	IS,	ΙΤ,	LU,	MC,	NL,	PL,	PT,	RO,
		SE,	SI,	SK,	TR,	BF,	ВJ,	CF,	CG,	CI,	CM,	GΑ,	GN,	GQ,	GW,	$\mathrm{ML}_{,}$	MR,
	NE, SN, TD,			TD,	ΤG												
ΑU	AU 2004287611				A1		2005	0519		AU 2	004 -	2876	11		2	0041	105

	2544741 1682493			A1 A1		2005 2006	0519 0726					2544 7976				0041 0041		
	R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GF	,	,	,	LU,	,	SE,	MC,	PT,
		ΙE,	SI,	FΙ,	RO,	CY,	TR,	BG,	CZ,	EE	:, H	ΗU,	PL,	SK,	IS			
BR	2004	01629	94		Α		2007	0123	I	BR	200	94 - 1	1629	4		2	0041	105
CN	1902	162			А		2007	0124	(	CN	200	94 - 8	3003	9913		2	0041	105
JP	2007	51063	32		T	2	2007	0426	Ų	JΡ	200	06-5	5372	63		2	0041	105
MX	2006	PA05	036		Α	,	2006	0706	I	MΧ	200	)6-I	PA50	36		2	0060	504
KR	7934	62			В1	2	2008	0114	I	KR	200	06-	7087	17		2	0060	504
IN	2006	CN01	565		Α	2	2007	0706		ΙN	200	06-0	CN15	65		2	0060	505
US	2007	0729	44		A1		2007	0329	Ţ	US	200	06-5	5773	69		2	0060	626
PRIORITY	Y APP	LN.	INFO	. :					I	EΡ	200	3-2	2529	0		A 2	0031	106
									(	GΒ	200	(4-2)	2677			A 2	0040	206
									I	WΟ	200	) 4 – E	EP12	559	1	W 2	0041	105

OTHER SOURCE(S): MARPAT 142:481750 GI

The invention relates to a preparation of acetonitrile derivs. of formula I [wherein: X is Cl, Br, or CF3; Y is a single bond, O, S, S(O), or SO2; W is O or S], useful as pesticides. The active ingredients have advantageous pesticidal properties. They are especially suitable for controlling parasites in and on warm-blooded animals. For instance, acetonitrile derivative II was prepared via etherification of alc. III by 3-fluoro-4-trifluoromethylbenzonitrile. The efficacy was calculated as the % reduction of the number of worms in each gerbil, compared with the geometric average

of number of worms from 6 infected and untreated gerbils (mongolian gerbils,

3.2 mg/kg; H. contortus.: 100%, T. colubriformis.: 100%).

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:650899 HCAPLUS

DOCUMENT NUMBER: 141:173978

TITLE: Preparation of aminoacetonitrile derivatives as

agricultural and horticultural insecticides

INVENTOR(S): Andoh, Nobuharu; Sanpei, Osamu; Sakata, Kazuyuki

PATENT ASSIGNEE(S): Nihon Nohyaku Co., Ltd., Japan

SOURCE: Eur. Pat. Appl., 48 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

GΙ

PATENT NO.	KIND DATE	APPLICATION NO.	DATE
EP 1445251	A1 20040811	EP 2004-10346	19990428
EP 1445251	B1 20061227		
R: CH, DE, FR,	GB, IT, LI		
EP 953565	A2 19991103	EP 1999-107461	19990428
EP 953565	A3 20021204		
EP 953565	B1 20040908		
R: AT, BE, CH,	DE, DK, ES, FR, GB	, GR, IT, LI, LU, NL, S	E, MC, PT,
IE, SI, LT,	LV, FI, RO		
PRIORITY APPLN. INFO.:		JP 1998-137806 A	19980501
		EP 1999-107461 A3	19990428
OTHER SOURCE(S):	MARPAT 141:173978		

AB The title compds. Ar1(Q)dC(O)NR3C(CN)R4(CR5R6)aW(CR7R8)bAr2 [I; Ar1, Ar2 = (substituted) Ph, (substituted) phenyloxy, (substituted) phenylacetylene; (substituted) pyridyl and (substituted) naphthyl; Q = CR1R2 (wherein R1, R2 = H, halo, (halo)alkyl, etc.); R3 = H, (halo)alkyl, etc.; R4-R8 = H, halo, (halo)alkyl, etc.; W = O, S, SO2 or NR9 (wherein R9 = H, alkyl); a, b = 0-4; d = 0-1], useful as insecticides, were prepared E.g., a multi-step synthesis of II (starting from 4-chlorophenol and bromoacetaldehyde dimethylacetal), was given. The compds. I were tested against diamondback moth and against smaller tea tortrix (data were given for representative compds. I).

L12 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:487395 HCAPLUS

DOCUMENT NUMBER: 137:52407

TITLE: Aminoacetonitrile compounds and their formulations as

parasiticides

INVENTOR(S):
Ducray, Pierre; Bouvier, Jacques

PATENT ASSIGNEE(S): Novartis Ag, Switz.; Novartis-Erfindungen

Verwaltungsgesellschaft m.b.H.; Novartis Pharma GmbH

SOURCE: PCT Int. Appl., 38 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PA.	ATENT NO.				KIN	D	DATE				LICAT					ATE	
WO	2002	0496	41		A2		2002	0627			2001-						
WO	2002														~ -	~	~
	W:										, BG,						
											, EE,						
			•		•	,			•		, KP,	•	•	•		,	•
							•	•			, PH,					SE,	SG,
		SI,	SK,	ТJ,	TM,	TN,	TR,	TT,	UA,	US	, UZ,	VN,	YU,	ZA,	ZW		
	RW:	ΑM,	ΑZ,	BY,	KG,	KΖ,	MD,	RU,	ΤJ,	TM	, AT,	BE,	CH,	CY,	DE,	DK,	ES,
											, PT,						
CA	2432	388			A1		2002	0627		CA :	2001-	2432	388		2	0011	218
	AU 2002034588																
EP	1392	1392281			A2		2004	0303		EP :	2001-	9854	21		2	0011	218
EP	1392281 R: AT, BE, CH			В1		2007	0221										
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BR	2001	0163	26		A						2001-						
JP	2004	5210	97		T		2004	0715		JP :	2002-	5509	81		2	0011	218
CN	1531	426			A		2004				2001-					0011	
NZ	5265	38			А		2005	1223		NZ :	2001-	5265	38		2	0011	218
RU	2286 3543	775			C2		2006	1110		RU :	2003-	1221	96		2	0011	218
AT	3543	60			T		2007	0315		AT :	2001-	9854	21		2	0011	218
ES	2281	453			Т3		2007	1001		ES :	2001-	9854	21		2	0011	218
ZA	ZA 2003004331				A		2004	0428		ZA :	2003-	4331			2	0030	603
US	US 2004082624				A1		2004	0429		US :	2003-	4338	11		2	0030	606
MX	MX 2003PA05701				Α		2003	1006			2003-					0030	
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											2001-					0011	

OTHER SOURCE(S): MARPAT 137:52407

AB The invention relates to the use of aminoacetonitrile compds. in the control of endoparasites, especially helminths, in warm-blooded productive livestock and domestic animals. Delivery systems for these parasiticides are described, such as granules that can be mixed with animal feed. For example, a dust-free coated granules were prepared by mixing an aminoacetonitrile active ingredient 3%, polyethylene glycol 3%, and kaolin 94%.

=> log y COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	125.64	662.77
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-21.60	-21.60

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